



理されたデータを共通処理ユニットCに供給することになる。

この実施例では入力データを処理する機能を有する処理ユニットとして処理ユニットP<sub>1</sub>と、単なる伝送を行う線路として構成した処理ユニットP<sub>2</sub>と、共通処理ユニットCとを用いているが、より多い処理ユニットを用いることができることは第1図について説明したとおりであり、この際には上記のように2値のモード制御信号および1つのインバータのみを備えるデコーダDに代えて第1図に示したように複数桁からなるモード制御信号とこれを復号するデコーダを用いればよい。

#### (発明の効果)

本発明によれば、処理すべきデータについての入力ピンの数として入力端子数が最大の処理ユニットの入力端子の数で足り、これにこの処理ユニットをデコーダを介して選択するに必要なモード選択信号の入力ピンを加えればよいから、入力ピンの数に制約されることなく、多くの処理ユニッ

トを1つのLSI上に用意しておくことができ、多品種を1種類のLSIで実現できるという格別の効果が達成される。

#### 4. 図面の簡単な説明

第1図は本発明の原理を示す図、

第2図は本発明の実施例を示す図である。

特許出願人

富士通株式会社

代理人

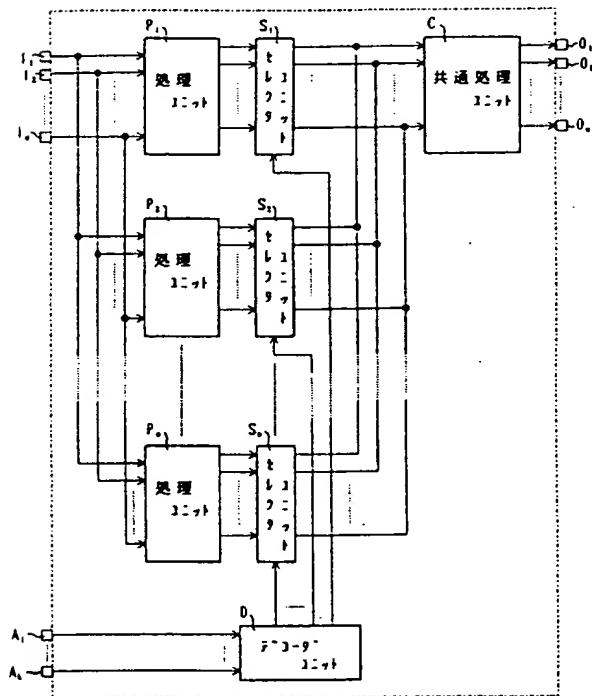
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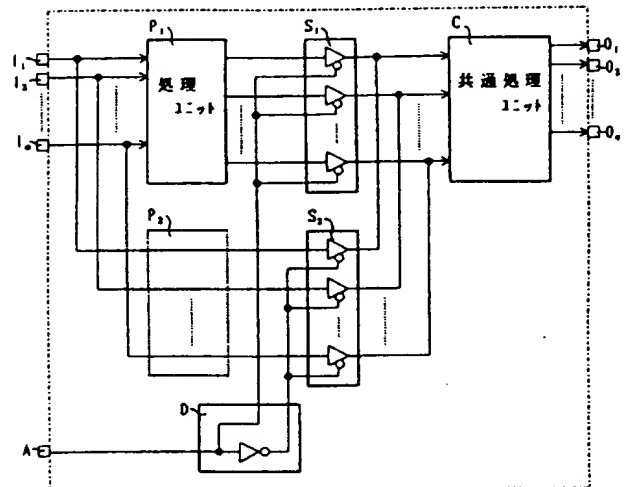
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原理図

第1図



実施例

第2図

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(12) 公開特許公報 (A)

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H 0 4 J 14/00		H 0 4 B 9/00	T 5 K 0 6 9
	14/02		E
H 0 4 Q 3/52			

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Fターム(参考) 5K002 BA06 DA02 DA09 DA13 EA03  
FA01

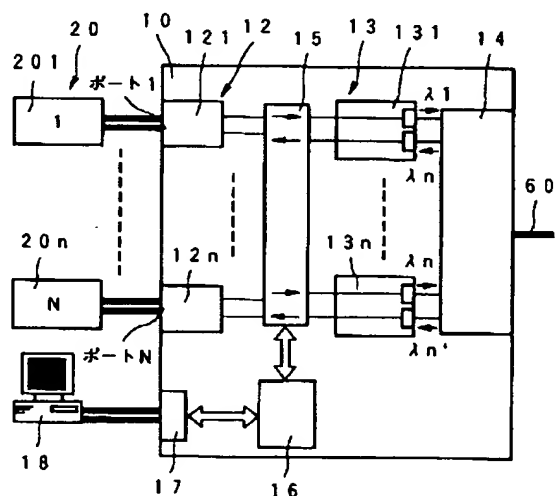
5K069 BA09 CB10 DB07 DB33 EA24

(54) 【発明の名称】 波長多重伝送装置

(57) 【要約】

【課題】 動的なネットワーク構成の変化に対応して、通信回線の内部の接続経路を変更することのできる波長多重伝送装置を提供すること。

【解決手段】 通信回線に接続される複数の入出力ポート1〜NとWDM光送受信モジュール131〜13nをマトリックススイッチ15を介して接続すると共に、該マトリックススイッチ15を制御するスイッチ制御回路16とその通信ポート17とを設け、外部から入力される通信回線の接続情報により、上記マトリックススイッチ15の入出力ポート1〜Nに対するWDM光送受信モジュール131〜13nの接続経路を変更し得るように構成する。



(19) 日本国特許庁 (J P)

(12) 公開特許公報 (A)

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(51) Int.Cl.<sup>6</sup>

H 0 4 L 12/44  
12/28

識別記号

F I

H 0 4 L 11/00

3 4 0

3 1 0 Z

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(22) 出願日 平成9年(1997)12月16日

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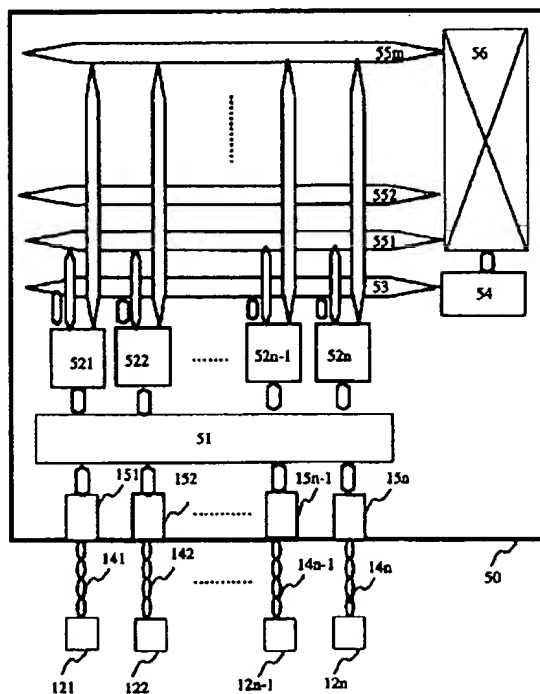
(74) 代理人 弁理士 網谷 信雄

(54) 【発明の名称】 イーサネットリピータ

(57) 【要約】

【課題】 スイッチングハブより安価で、複数のイーサネットLAN端末が同時にデータを送信できるイーサネットリピータを提供する。

【解決手段】 複数のポート151~15nと、そのポート個数nより少ない複数のスイッチングを行うスイッチング部56と、このスイッチング部56によりスイッチングされる複数の内部バス551~55mと、これらの内部バス551~55mにそれぞれ任意のポートを切り替え接続する切替接続部521~52nとを備えた。内部バスを介してスイッチング部56に接続された複数のポートは同時にデータ通信できる。



[54] BIDIRECTIONAL SEMICONDUCTOR  
DEVICE HAVING ONLY ONE  
ONE-DIRECTIONAL DEVICE

[75] Inventor: Keizo Aoyama, Yamato, Japan

[73] Assignee: Fujitsu Limited, Kawasaki, Japan

[21] Appl. No.: 130,630

[22] Filed: Dec. 8, 1987

[30] Foreign Application Priority Data

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Dec. 17, 1986 [JP] Japan ..... 61-298895  
Dec. 18, 1986 [JP] Japan ..... 61-300112

[51] Int. Cl.<sup>4</sup> ..... H03K 3/01; H03K 3/356;  
H03K 17/693; H03K 19/092

[52] U.S. Cl. .... 307/243; 307/465;  
307/475; 340/825.02; 340/825.43; 365/231;  
365/154; 377/64; 364/716

[58] Field of Search ..... 307/443, 465, 466, 467,  
307/468, 469, 475, 542, 243, 246, 248, 571, 574,  
575, 576, 585, 270, 279, 272.1, 296.1, 304;  
365/205, 230, 231, 154, 78; 364/716; 377/64,  
69, 74; 370/60; 340/825.02, 825.43

[56] References Cited

U.S. PATENT DOCUMENTS

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4,621,201 11/1986 Amdahl et al. .... 307/243 X  
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4,709,173 11/1987 Nishimichi et al. .... 307/243  
4,774,422 9/1988 Donaldson et al. .... 307/243 X

Primary Examiner—Stanley D. Miller

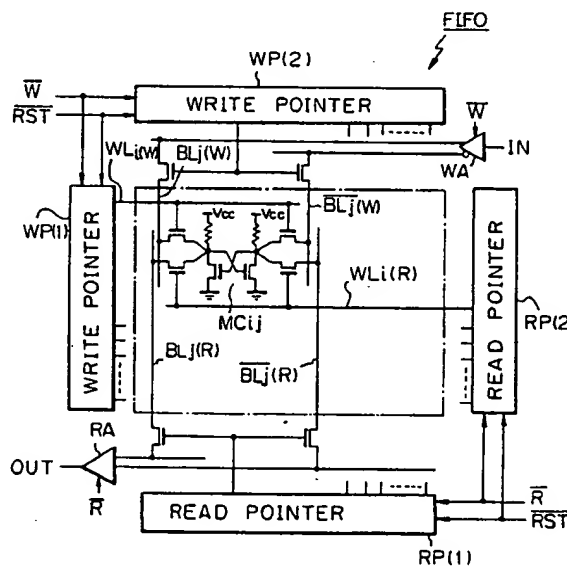
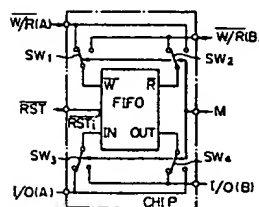
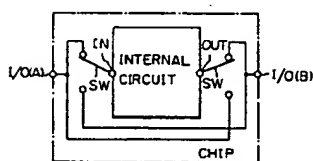
Assistant Examiner—David R. Bertelson

Attorney, Agent, or Firm—Staas & Halsey

[57] ABSTRACT

In a one-directional internal circuit such as a first-in first-out (FIFO), switchover switches are provided between the internal input/output ports and external ports thereof, and the switches are controlled by a mode signal, thereby enabling a bidirectional data transmission within one chip.

8 Claims, 11 Drawing Sheets



	L #	Hits	Search Text	DBs
1	L1	183073	((i adj1 o) input\$4 output\$4) near20 (port pin pad)	USPAT; US-PGPUB
2	L2	13897	1 near50 ((select\$5 reconfigur\$4 configur\$4) near20 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
3	L3	769	2 near50 ((process\$3 core internal\$2 inside (on adj1 chip)) near20 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
4	L4	11402	1 near20 ((select\$5 reconfigur\$4 configur\$4) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
5	L5	452	4 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
6	L7	21135	1 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
7	L9	908	7 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
8	L10	631	(pin port pad (i adj1 o) input\$4 out\$4).ab,ti. and 9	USPAT; US-PGPUB
9	L12	71320	((i adj1 o) input\$4 output\$4) near20 (port pin pad)	EPO; JPO; DERWENT; IBM_TDB
10	L16	4471	12 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	EPO; JPO; DERWENT; IBM_TDB
11	L11	397	(pin port pad).ab,ti. and 9	USPAT; US-PGPUB
12	L17	158	16 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	EPO; JPO; DERWENT; IBM_TDB
13	L19	4902	12 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$4 multiplex\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	EPO; JPO; DERWENT; IBM_TDB
14	L20	16	19 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2)) not 17	EPO; JPO; DERWENT; IBM_TDB
15	L21	23497	1 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$4 multiplex\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
16	L22	1033	21 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
17	L23	30	(pin port pad).ab,ti. and 22 not 11	USPAT; US-PGPUB
18	L24	292	22 and analog	USPAT; US-PGPUB
19	L25	202	24 not (11 23)	USPAT; US-PGPUB

	Docum ent ID	U	Title	Current OR
1	JP 20012 51328 A	<input type="checkbox"/>	MULTIPLEX PORT ETHERNET (R) UNIT, AND METHOD AND SYSTEM FOR MINIMIZING EXTERNAL PIN	
2	JP 20000 35899 A	<input checked="" type="checkbox"/>	EMULATION MODULE	
3	JP 04139 933 A	<input checked="" type="checkbox"/>	MULTIPLE ACCESS MULTIPLEX EXCHANGE SYSTEM	
4	JP 58047 225 A	<input checked="" type="checkbox"/>	METHOD AND DEVICE FOR CORRECTING TEMPERATURE FOR SOLID STATE SENSOR	
5	EP 51848 8 A1	<input checked="" type="checkbox"/>	Bus interface and processing system.	
6	US 20020 18604 6 A	<input checked="" type="checkbox"/>	Semiconductor integrated circuit device for computer system, has interconnect structure with multiplexers which process multi-bit inputs from input ports to output port within semiconductor substrate	
7	KR 20020 40430 A	<input checked="" type="checkbox"/>	Apparatus and method for inspecting stocking of coil product in cold coil packing line	
8	US 63669 97 B	<input checked="" type="checkbox"/>	Processing method for manifold array processing element switch control, has PE to receive communication instruction to transmit control signal to multiplexer and to communicate information using data input and output	
9	US 20020 02660 6 A	<input checked="" type="checkbox"/>	Integrated circuit with embedded memory and on-chip testing circuit, has controller coupled to multiplexer to select subset of data lines among data lines of internal bus coupled to embedded memory device	
10	US 56170 82 A	<input checked="" type="checkbox"/>	Electronic access control device for industrial, commercial and residential use - has comparator that is electrically connected to processor for comparing at least one access code to value input received via input device	
11	RU 20357 70 C	<input checked="" type="checkbox"/>	magnetograph - has processor to organise interrogation of sensors and uses multiplexers to pass information to magnetic tape in order of interrogation	
12	EP 49483 1 A	<input checked="" type="checkbox"/>	Optical processing device for optical telecommunication system - produces output signal with wavelength specified by wavelength of reference optical beam	
13	GB 22238 67 A	<input checked="" type="checkbox"/>	Multiprocessor data processing system - comprises network of communication device having I=O multiplexers with byte-wide ports for connection to ports of neighbouring units	
14	EP 12541 1 A	<input checked="" type="checkbox"/>	Integrated text and data processing system - allows independent and simultaneous emulation of display and printer and provides for processing of link data before output	
15	US 44438 64 A	<input checked="" type="checkbox"/>	Memory for processor with multiplexed address - maps bus to memory device connections and internally connects unused pins to address inputs or data input-output lines	
16	DD 20825 4 A	<input type="checkbox"/>	Interface for serial data transmission - is assigned simple priorities allowing large number of async. slave computers to be used remotely from master	

	Docum ent ID	U	Title	Current OR
1	US 20030 23520 3 A1	<input type="checkbox"/>	Extender sublayer device	370/445
2	US 20030 02882 9 A1	<input checked="" type="checkbox"/>	Remote monitoring of computer devices	714/47
3	US 20020 04472 3 A1	<input checked="" type="checkbox"/>	Optical signal processing device	385/24
4	US 65231 36 B1	<input checked="" type="checkbox"/>	Semiconductor integrated circuit device with processor	714/30
5	US 61187 24 A	<input checked="" type="checkbox"/>	Memory controller architecture	365/230 .05
6	US 60555 94 A	<input checked="" type="checkbox"/>	Byte accessible memory interface using reduced memory control pin count	710/100
7	US 59699 97 A	<input checked="" type="checkbox"/>	Narrow data width DRAM with low latency page-hit operations	365/189 .02
8	US 59481 14 A	<input checked="" type="checkbox"/>	Integrated circuit binary data output interface for multiplexed output of internal binary information elements from input/output pads	714/733
9	US 58260 04 A	<input checked="" type="checkbox"/>	Input/output device with self-test capability in an integrated circuit	714/25
10	US 57712 32 A	<input checked="" type="checkbox"/>	Expandable local inter-system bus architecture in a multiplexed environment	370/384
11	US 56617 78 A	<input checked="" type="checkbox"/>	Performance monitoring of DSO channel via D4 channel bank	379/29. 01
12	US 56551 33 A	<input checked="" type="checkbox"/>	Massively multiplexed superscalar Harvard architecture computer	712/23
13	US 56174 31 A	<input checked="" type="checkbox"/>	Method and apparatus to reuse existing test patterns to test a single integrated circuit containing previously existing cores	714/738
14	US 56131 44 A	<input checked="" type="checkbox"/>	Serial register multi-input multiplexing architecture for multiple chip processor	712/43
15	US 54991 08 A	<input checked="" type="checkbox"/>	Document-driven scanning input device communicating with a computer	358/400
16	US 54817 36 A	<input checked="" type="checkbox"/>	Computer processing element having first and second functional units accessing shared memory output port on prioritized basis	712/23
17	US 54737 58 A	<input checked="" type="checkbox"/>	System having input output pins shifting between programming mode and normal mode to program memory without dedicating input output pins for programming mode	711/103
18	US 54736 65 A	<input checked="" type="checkbox"/>	Performance monitoring of DSO channel via D4 channel bank	379/27. 01
19	US 51014 98 A	<input checked="" type="checkbox"/>	Pin selectable multi-mode processor	710/316
20	US 49012 68 A	<input checked="" type="checkbox"/>	Multiple function data processor	708/513
21	US 47207 83 A	<input checked="" type="checkbox"/>	Peripheral bus with continuous real-time control	700/9
22	US 46758 41 A	<input checked="" type="checkbox"/>	Micro computerized electronic postage meter system	705/402



	Docum ent ID	U	Title	Current OR
23	US 46033 85 A	<input checked="" type="checkbox"/>	Integrated data processing/text processing system having a terminal with dual emulation and enhanced function capabilities	703/24
24	US 44256 65 A	<input checked="" type="checkbox"/>	FSK Voiceband modem using digital filters	375/223
25	US RE303 31 E	<input checked="" type="checkbox"/>	Data processing system having a unique CPU and memory timing relationship and data path configuration	711/105
26	US 41330 28 A	<input checked="" type="checkbox"/>	Data processing system having a CPU register file and a memory address register separate therefrom	710/104
27	US 40794 54 A	<input checked="" type="checkbox"/>	Data processing system using read-only-memory arrays to provide operation in a plurality of operating states	712/37
28	US 40756 92 A	<input checked="" type="checkbox"/>	Data path configuration for a data processing system	711/149
29	US 40178 39 A	<input checked="" type="checkbox"/>	Input/output multiplexer security system	710/51
30	US 40140 06 A	<input type="checkbox"/>	Data processing system having a unique CPU and memory tuning relationship and data path configuration	713/600

	Docum ent ID	U	Title	Current OR
1	US 20030 22346 6 A1	<input type="checkbox"/>	Apparatus for redundant multiplexing and remultiplexing of program streams and best effort data	370/537
2	US 20030 22262 5 A1	<input checked="" type="checkbox"/>	CIRCUIT AND METHOD FOR POWER MEDIATION IN ELECTRONIC DEVICE	320/166
3	US 20030 22119 5 A1	<input checked="" type="checkbox"/>	System for the transmission of audiovisual signals between source nodes and destination nodes	725/78
4	US 20030 18909 8 A1	<input checked="" type="checkbox"/>	Planar light illumination and imaging (PLIIM) systems employing LED-based planar light illumination arrays (PLIAS) and linear electronic image detection arrays	235/454
5	US 20030 16303 4 A1	<input checked="" type="checkbox"/>	Monitoring mayer wave effects based on a photoplethysmographic signal	600/372
6	US 20030 15091 7 A1	<input checked="" type="checkbox"/>	Planar light illumination and imaging (PLIIM) system employing led-based planar light illumination arrays (PLIAS) and an area-type image detection array	235/454
7	US 20030 15091 6 A1	<input checked="" type="checkbox"/>	LED-based planar light illumination and imaging (PLIIM) systems	235/454
8	US 20030 14966 2 A1	<input checked="" type="checkbox"/>	Apparatus, systems and methods for wirelessly transacting financial transfers , electronically recordable authorization transfers, and other information transfers	705/39
9	US 20030 14628 2 A1	<input checked="" type="checkbox"/>	Bioptical product and produce identification systems employing planar laser illumination and imaging (PLIM) based subsystems	235/454
10	US 20030 07449 8 A1	<input checked="" type="checkbox"/>	Method and circuitry for a programmable controller system	710/36
11	US 20030 04230 8 A1	<input checked="" type="checkbox"/>	Pliim-based semiconductor chips	235/454
12	US 20030 03926 3 A1	<input checked="" type="checkbox"/>	Application module interface for a control channel in a private branch exchange (PBX) environment	370/422
13	US 20030 03720 0 A1	<input checked="" type="checkbox"/>	Low-power reconfigurable hearing instrument	710/316
14	US 20030 03496 0 A1	<input checked="" type="checkbox"/>	Coordinates input device and method for the same	345/179
15	US 20030 03495 9 A1	<input checked="" type="checkbox"/>	One chip USB optical mouse sensor solution	345/166
16	US 20030 03086 2 A1	<input checked="" type="checkbox"/>	Device and method for monitoring signal characteristics of optical signals in an optical communications network	398/5
17	US 20030 02115 7 A1	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .33

	Docum ent ID	U	Title	Current OR
18	US 20030 01456 7 A1	<input checked="" type="checkbox"/>	Personalized automated operator position	710/1
19	US 20030 00628 9 A1	<input checked="" type="checkbox"/>	Automated system and method for identifying and measuring packages transported through an omnidirectional laser scanning tunnel	235/470
20	US 20020 19685 3 A1	<input checked="" type="checkbox"/>	REDUCED RESOLUTION VIDEO DECOMPRESSION	375/240 .16
21	US 20020 19549 6 A1	<input checked="" type="checkbox"/>	Planar LED-based illumination array (PLIA) chips	235/462 .01
22	US 20020 18818 1 A1	<input checked="" type="checkbox"/>	Interface for a portable point-of-care patient diagnostic device	600/300
23	US 20020 18623 3 A1	<input checked="" type="checkbox"/>	Real time video production system and method	345/716
24	US 20020 18128 9 A1	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .33
25	US 20020 18062 7 A1	<input checked="" type="checkbox"/>	Automatic A/D sample triggering	341/122
26	US 20020 17593 1 A1	<input checked="" type="checkbox"/>	Playlist for real time video production	345/716
27	US 20020 17246 5 A1	<input checked="" type="checkbox"/>	Fault-tolerant fiber-optical multiwavelength processor	385/47
28	US 20020 15342 2 A1	<input checked="" type="checkbox"/>	Planar led-based illumination modules	235/454
29	US 20020 15006 1 A1	<input checked="" type="checkbox"/>	Method and apparatus for performing satellite selection in a broadcast communication system	370/326
30	US 20020 14539 4 A1	<input checked="" type="checkbox"/>	Systems and methods for programming illumination devices	315/291
31	US 20020 13985 3 A1	<input checked="" type="checkbox"/>	Planar laser illumination and imaging (PLIIM) system employing wavefront control methods for reducing the power of speckle-pattern noise digital images acquired by said system	235/462 .01
32	US 20020 12410 4 A1	<input checked="" type="checkbox"/>	Network element and a method for preventing a disorder of a sequence of data packets traversing the network	709/238
33	US 20020 12222 8 A1	<input checked="" type="checkbox"/>	Network and method for propagating data packets across a network	398/98
34	US 20020 10971 0 A1	<input checked="" type="checkbox"/>	Real time video production system and method	345/723

	Docum ent ID	U	Title	Current OR
35	US 20020 10555 3 A1	<input checked="" type="checkbox"/>	Automated keyboard mouse switch	345/862
36	US 20020 09551 5 A1	<input checked="" type="checkbox"/>	Method and apparatus for identifying an I/O network in a process control system	709/245
37	US 20020 06101 2 A1	<input checked="" type="checkbox"/>	Cable modem with voice processing capability	370/352
38	US 20020 05138 2 A1	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .08
39	US 20020 04818 9 A1	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .08
40	US 20020 04356 1 A1	<input checked="" type="checkbox"/>	Method of and system for producing digital images of objects with substantially reduced speckle-noise patterns by illuminating said objects with spatially and/or temporally coherent-reduced planar laser illumination	235/454
41	US 20020 03175 6 A1	<input checked="" type="checkbox"/>	Interactive tutorial method, system, and computer program product for real time media production	434/362
42	US 20020 02128 9 A1	<input checked="" type="checkbox"/>	Input device having two joysticks and touchpad with default template	345/173
43	US 20020 01812 6 A1	<input checked="" type="checkbox"/>	Image sensing apparatus, image processing apparatus and image sensing system	348/222 .1
44	US 20020 01214 3 A1	<input checked="" type="checkbox"/>	Optical switch with connection verification	398/87
45	US 20010 03750 8 A1	<input checked="" type="checkbox"/>	Variable bandwidth communication systems and methods	725/105
46	US 20010 03358 3 A1	<input checked="" type="checkbox"/>	Voice gateway with downstream voice synchronization	370/503
47	US 20010 03070 9 A1	<input checked="" type="checkbox"/>	Method and apparatus for a digital parallel processor for film conversion	348/459
48	US 20010 03069 0 A1	<input checked="" type="checkbox"/>	Image detection processor	348/159
49	US 20010 01591 2 A1	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .29
50	US 20010 01379 3 A1	<input checked="" type="checkbox"/>	Programmable logic device incorporating function blocks operable as wide-shallow ram	326/40
51	US 20010 01046 7 A1	<input checked="" type="checkbox"/>	Bioelectrical impedance measuring apparatus constructed by one-chip integrated circuit	324/601

	Docum ent ID	U	Title	Current OR
52	US 66806 01 B2	<input checked="" type="checkbox"/>	Circuit and method for power mediation in electronic device	320/166
53	US 66548 28 B2	<input checked="" type="checkbox"/>	Personalized automated operator position	710/62
54	US 66511 29 B1	<input checked="" type="checkbox"/>	Apparatus and method for establishing a data communication interface to control and configure an electronic system with analog and digital circuits	710/316
55	US 66458 20 B1	<input checked="" type="checkbox"/>	Polycrystalline silicon diode string for ESD protection of different power supply connections	438/372
56	US 66362 73 B1	<input checked="" type="checkbox"/>	Remote control dedicated keybutton for confirming tuner setting of a TV set to a specific channel setting	348/734
57	US 66160 48 B2	<input checked="" type="checkbox"/>	Automated system and method for identifying and measuring packages transported through an omnidirectional laser scanning tunnel	235/472 .02
58	US 66064 83 B1	<input checked="" type="checkbox"/>	Dual open and closed loop linear transmitter	455/126
59	US 65809 53 B1	<input checked="" type="checkbox"/>	Electrical control apparatus including retrievable stored operationing program	700/86
60	US RE381 27 E	<input checked="" type="checkbox"/>	Portable hybrid communication system and methods	455/557
61	US 65637 99 B1	<input checked="" type="checkbox"/>	Application module interface for hardware control signals in a private branch exchange (PBX) environment	370/264
62	US 65170 04 B2	<input checked="" type="checkbox"/>	Automated system for identifying and dimensioning packages transported through a laser scanning tunnel using laser scanning beam indexing techniques	235/472 .02
63	US 64932 71 B2	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .33
64	US 64728 88 B2	<input checked="" type="checkbox"/>	Bioelectrical impedance measuring apparatus constructed by one-chip integrated circuit	324/691
65	US 64526 12 B1	<input checked="" type="checkbox"/>	Real time video production system and method	345/723
66	US 64301 65 B1	<input checked="" type="checkbox"/>	Method and apparatus for performing satellite selection in a broadcast communication system	370/316
67	US 64148 78 B2	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .33
68	US 64147 46 B1	<input checked="" type="checkbox"/>	3-D imaging multiple target laser radar	356/4.0 1
69	US 64075 54 B1	<input checked="" type="checkbox"/>	Diagnostic tester for electronic control devices in a variety of motor vehicle types	324/503
70	US 64006 09 B1	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .28
71	US 63825 15 B1	<input checked="" type="checkbox"/>	Automated system and method for identifying and measuring packages transported through a laser scanning tunnel	235/472 .01
72	US 63698 55 B1	<input checked="" type="checkbox"/>	Audio and video decoder circuit and system	348/423 .1
73	US 63566 26 B1	<input checked="" type="checkbox"/>	Point to point voice message processor, method and recording/playback device	379/88. 22
74	US 63561 08 B2	<input checked="" type="checkbox"/>	Programmable logic device incorporating function blocks operable as wide-shallow RAM	326/40

	Docum ent ID	U	Title	Current OR
75	US 63358 79 B1	<input checked="" type="checkbox"/>	Method of erasing and programming a flash memory in a single-chip microcomputer having a processing unit and memory	365/185 .08
76	US 63273 42 B1	<input checked="" type="checkbox"/>	E911 backup system for emergency 911 call answering systems	379/45
77	US 63244 05 B1	<input checked="" type="checkbox"/>	Communications apparatus and method for mobile platforms having a plurality of users	455/456 .1
78	US 63106 61 B1	<input checked="" type="checkbox"/>	Method of broadcasting controlling data streams and apparatus for receiving the same	348/725
79	US 63049 07 B1	<input checked="" type="checkbox"/>	Network resource access method and apparatus	709/229
80	US 63016 23 B1	<input checked="" type="checkbox"/>	Computer network with a plurality of identically addressed devices	709/253
81	US 62923 26 B1	<input checked="" type="checkbox"/>	Disk device and removable magnetic disk device with electrically separated circuit portions for improved electro-magnetic compatibility	360/97. 01
82	US 62920 17 B1	<input checked="" type="checkbox"/>	Programmable logic device incorporating function blocks operable as wide-shallow RAM	326/40
83	US 62822 06 B1	<input checked="" type="checkbox"/>	Variable bandwidth communication systems and methods	370/468
84	US 62789 75 B1	<input checked="" type="checkbox"/>	Voice command and control medical care system	704/275
85	US 62659 87 B1	<input checked="" type="checkbox"/>	Remote control device with learning function	340/825 .69
86	US 62633 96 B1	<input checked="" type="checkbox"/>	Programmable interrupt controller with interrupt set/reset register and dynamically alterable interrupt mask for a single interrupt processor	710/263
87	US 62017 37 B1	<input checked="" type="checkbox"/>	Apparatus and method to characterize the threshold distribution in an NROM virtual ground array	365/185 .16
88	US 61815 98 B1	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory	365/185 .11
89	US 61733 58 B1	<input checked="" type="checkbox"/>	Computer system having dual bus architecture with audio/video/CD drive controller/coprocessor having integral bus arbitrator	711/100
90	US 61669 53 A	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .11
91	US 61308 36 A	<input checked="" type="checkbox"/>	Semiconductor IC device having a control register for designating memory blocks for erasure	365/185 .03
92	US 61227 47 A	<input checked="" type="checkbox"/>	Intelligent subsystem interface for modular hardware system	713/323
93	US 61227 16 A	<input checked="" type="checkbox"/>	System and method for authenticating a computer memory	711/163
94	US 61226 87 A	<input checked="" type="checkbox"/>	Multimedia computer system having multimedia bus	710/100
95	US 61165 08 A	<input checked="" type="checkbox"/>	Portable code reading and cursor pointing	235/462 .13
96	US 61042 08 A	<input checked="" type="checkbox"/>	Programmable logic device incorporating function blocks operable as wide-shallow RAM	326/40
97	US 60972 18 A	<input checked="" type="checkbox"/>	Method and device for isolating noise sensitive circuitry from switching current noise on semiconductor substrate	326/82

	Docum ent ID	U	Title	Current OR
98	US 60879 30 A	<input checked="" type="checkbox"/>	Active integrated circuit transponder and sensor apparatus for transmitting vehicle tire parameter data	340/447
99	US 60784 65 A	<input checked="" type="checkbox"/>	Disk device and removable magnetic disk device with electrically separated circuit portions for improved electro-magnetic compatibility	360/97. 01
100	US 60670 35 A	<input checked="" type="checkbox"/>	Method for monitoring the operability of an analog to digital converter configured for digitizing analog signals	341/120
101	US 60645 93 A	<input checked="" type="checkbox"/>	Semiconductor integrated circuit device having an electrically erasable and programmable nonvolatile memory and a built-in processing unit	365/185 .11
102	US 60346 23 A	<input checked="" type="checkbox"/>	Autonomous radio telemetry	340/870 .01
103	US 60313 43 A	<input checked="" type="checkbox"/>	Bowling center lighting system	315/292
104	US 60260 20 A	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .11
105	US 59785 93 A	<input checked="" type="checkbox"/>	Programmable logic controller computer system with micro field processor and programmable bus interface unit	710/1
106	US 59466 34 A	<input checked="" type="checkbox"/>	Mobile communications	455/552 .1
107	US 59283 40 A	<input checked="" type="checkbox"/>	Apparatus for translating a bias signal into one of two different bias signals for a switching device	710/69
108	US 59181 94 A	<input checked="" type="checkbox"/>	Integrated modular measurement system having configurable firmware architecture and modular mechanical parts	702/91
109	US 59095 95 A	<input checked="" type="checkbox"/>	Method of controlling I/O routing by setting connecting context for utilizing I/O processing elements within a computer system to produce multimedia effects	710/38
110	US 58753 11 A	<input checked="" type="checkbox"/>	Computer system with touchpad support in operating system	710/305
111	US 58532 44 A	<input checked="" type="checkbox"/>	Intelligent system and process for automated monitoring of microingredient inventory used in the manufacture of medicated feed rations	366/141
112	US 58502 65 A	<input checked="" type="checkbox"/>	Intelligent television receiver and method of processing data therein	725/110
113	US 58388 28 A	<input checked="" type="checkbox"/>	Method and apparatus for motion estimation in a video signal	382/236
114	US 58151 44 A	<input checked="" type="checkbox"/>	Icon-based reset for cartridge memory computer system	345/717
115	US 58051 38 A	<input checked="" type="checkbox"/>	Gross motion input controller for a computer system	345/156
116	US 58025 44 A	<input checked="" type="checkbox"/>	Addressing multiple removable memory modules by remapping slot addresses	711/5
117	US 57681 94 A	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .33
118	US 57651 97 A	<input checked="" type="checkbox"/>	Method and system for authentication of a memory unit for a computer system	711/164
119	US 57616 98 A	<input checked="" type="checkbox"/>	Computer system having audio/video/CD drive controller/coprocessor having integral memory interface, graphics coprocessor, digital signal processor, compact disk controller, and video controller	711/100

	Docum ent ID	U	Title	Current OR
120	US 57368 38 A	<input checked="" type="checkbox"/>	High speed power factor controller	323/211
121	US 57317 54 A	<input checked="" type="checkbox"/>	Transponder and sensor apparatus for sensing and transmitting vehicle tire parameter data	340/447
122	US 57198 62 A	<input checked="" type="checkbox"/>	Packet-based dynamic de-skewing for network switch with local or central clock	370/355
123	US 57084 36 A	<input checked="" type="checkbox"/>	Multi-mode radar system having real-time ultra high resolution synthetic aperture radar (SAR) capability	342/25
124	US 56812 20 A	<input checked="" type="checkbox"/>	Keyboard touchpad combination in a bivalve enclosure	463/37
125	US 56665 16 A	<input checked="" type="checkbox"/>	Protected programmable memory cartridge having selective access circuitry	711/163
126	US 56275 84 A	<input checked="" type="checkbox"/>	Endoscope system with centralized control of associated peripheral equipment	348/72
127	US 56131 37 A	<input checked="" type="checkbox"/>	Computer system with touchpad support in operating system	710/1
128	US 56130 69 A	<input checked="" type="checkbox"/>	Non-blocking packet switching network with dynamic routing codes having incoming packets diverted and temporarily stored in processor inputs when network output is not available	709/238
129	US 56030 43 A	<input checked="" type="checkbox"/>	System for compiling algorithmic language source code for implementation in programmable hardware	712/1
130	US 56027 50 A	<input checked="" type="checkbox"/>	Administrative computer and testing apparatus	702/122
131	US 56027 28 A	<input checked="" type="checkbox"/>	Three button programmable sprinkler controller	700/16
132	US 55815 03 A	<input checked="" type="checkbox"/>	Data line disturbance free memory block divided flash memory and microcomputer having flash memory therein	365/185 .33
133	US 55681 38 A	<input checked="" type="checkbox"/>	Servo-controlling system incorporated in keyboard instrument for processing parallel input signals in time sharing fashion	341/20
134	US 55348 60 A	<input checked="" type="checkbox"/>	Multiple key array	341/22
135	US 54876 03 A	<input checked="" type="checkbox"/>	Intelligent system and process for automated monitoring of microingredient inventory used in the manufacture of medicated feed rations	366/141
136	US 54838 27 A	<input checked="" type="checkbox"/>	Active integrated circuit transponder and sensor apparatus for sensing and transmitting vehicle tire parameter data	73/146. 5
137	US 54778 58 A	<input checked="" type="checkbox"/>	Ultrasound blood flow/tissue imaging system	600/441
138	US 54775 35 A	<input checked="" type="checkbox"/>	Method of preventing a divergence of an adaptive echo canceller in a noisy signal environment	370/291
139	US 54716 27 A	<input checked="" type="checkbox"/>	Systolic array image processing system and method	712/19
140	US 54690 45 A	<input checked="" type="checkbox"/>	High speed power factor controller	323/211
141	US 54403 11 A	<input checked="" type="checkbox"/>	Complementary-sequence pulse radar with matched filtering and Doppler tolerant sidelobe suppression preceding Doppler filtering	342/132



	Docum ent ID	U	Title	Current OR
142	US 54288 06 A	<input checked="" type="checkbox"/>	Computer networking system including central chassis with processor and input/output modules, remote transceivers, and communication links between the transceivers and input/output modules	710/104
143	US 54209 21 A	<input checked="" type="checkbox"/>	Method for the detection of a disable tone signal of an echo canceller	379/406 .04
144	US 53964 88 A	<input checked="" type="checkbox"/>	Method for non-linear signal processing in an echo canceller	370/288
145	US 53275 54 A	<input checked="" type="checkbox"/>	Interactive terminal for the access of remote database information	725/110
146	US 53255 00 A	<input checked="" type="checkbox"/>	Parallel processing units on a substrate, each including a column of memory	711/157
147	US 53095 64 A	<input checked="" type="checkbox"/>	Apparatus for networking computers for multimedia applications	398/45
148	US 53030 78 A	<input checked="" type="checkbox"/>	Apparatus and method for large scale ATM switching	398/51
149	US 52573 97 A	<input checked="" type="checkbox"/>	Mobile data telephone	455/553 .1
150	US 52533 08 A	<input checked="" type="checkbox"/>	Massively parallel digital image data processor using pixel-mapped input/output and relative indexed addressing	382/304
151	US 52166 23 A	<input checked="" type="checkbox"/>	System and method for monitoring and analyzing energy characteristics	702/62
152	US 52048 61 A	<input checked="" type="checkbox"/>	Key telephone system with enhanced connectivity	370/524
153	US 51843 02 A	<input checked="" type="checkbox"/>	Engine control apparatus including A/D converter failure detection element and method therefor	701/114
154	US 51693 84 A	<input checked="" type="checkbox"/>	Apparatus for facilitating post-traumatic, post-surgical, and/or post-inflammatory healing of tissue	604/20
155	US 51227 35 A	<input checked="" type="checkbox"/>	Digital power metering	324/142
156	US 51153 58 A	<input checked="" type="checkbox"/>	Configurable disk memory servowriter	360/75
157	US 50762 60 A	<input checked="" type="checkbox"/>	Sensible body vibration	601/59
158	US 49707 21 A	<input checked="" type="checkbox"/>	Resource-decoupled architecture for a telecommunications switching system	370/355
159	US 49673 40 A	<input checked="" type="checkbox"/>	Adaptive processing system having an array of individually configurable processing components	712/19
160	US 49581 82 A	<input checked="" type="checkbox"/>	Arrangement for determining camera setting	396/292
161	US 49375 27 A	<input checked="" type="checkbox"/>	Lead assembly for a distributorless ignition interface	324/402
162	US 49282 58 A	<input checked="" type="checkbox"/>	Recursive median filtering	708/320
163	US 49075 56 A	<input checked="" type="checkbox"/>	Electronic control system for internal combustion engine	123/486

	Docum ent ID	U	Title	Current OR
164	US 48705 64 A	<input checked="" type="checkbox"/>	Distributed input/output system	710/12
165	US 48581 07 A	<input checked="" type="checkbox"/>	Computer device display system using conditionally asynchronous memory accessing by video display controller	711/158
166	US 48497 80 A	<input checked="" type="checkbox"/>	Information setting device for camera	396/297
167	US 48475 63 A	<input checked="" type="checkbox"/>	Distributorless ignition interface	324/402
168	US 47885 31 A	<input checked="" type="checkbox"/>	Automatic fault reporting system	340/945
169	US 47648 68 A	<input checked="" type="checkbox"/>	Distributed input/output system	710/12
170	US H0004 81 H	<input checked="" type="checkbox"/>	Microprocessor controlled RF modulator apparatus	342/170
171	US 47194 59 A	<input checked="" type="checkbox"/>	Signal distribution system switching module	340/2.2 7
172	US 47018 70 A	<input checked="" type="checkbox"/>	Integrated circuit device testable by an external computer system	702/120
173	US 46756 75 A	<input checked="" type="checkbox"/>	Automatic fault reporting system	340/945
174	US 46616 92 A	<input checked="" type="checkbox"/>	Microscope provided with automatic focusing device having memory means	250/201 .2
175	US 46471 95 A	<input checked="" type="checkbox"/>	Automotive headlamp testing method and apparatus	356/121
176	US 46435 40 A	<input checked="" type="checkbox"/>	Microscope provided with an automatically controlled illuminating optical system	359/368
177	US 46397 83 A	<input checked="" type="checkbox"/>	Video signal field/frame storage system	348/446
178	US 46384 52 A	<input checked="" type="checkbox"/>	Programmable controller with dynamically altered programmable real time interrupt interval	710/266
179	US 46337 50 A	<input checked="" type="checkbox"/>	Key-touch value control device of electronic key-type musical instrument	84/626
180	US 45932 37 A	<input checked="" type="checkbox"/>	Servo-system having an adjustment indicator	318/561
181	US 45730 57 A	<input checked="" type="checkbox"/>	Continuous ink jet auxiliary droplet catcher and method	347/74
182	US 45710 49 A	<input checked="" type="checkbox"/>	Photographic camera of multiple spot photometry type	396/213
183	US 45354 53 A	<input checked="" type="checkbox"/>	Signaling input/output processing module for a telecommunication system	370/384
184	US 45292 89 A	<input checked="" type="checkbox"/>	Camera	396/233
185	US 45176 37 A	<input checked="" type="checkbox"/>	Distributed measurement and control system for industrial processes	700/9
186	US 45108 40 A	<input checked="" type="checkbox"/>	Musical note display device	84/477R

	Docum ent ID	U	Title	Current OR
187	US 45063 77 A	<input checked="" type="checkbox"/>	Spoken-instruction controlled system for an automotive vehicle	704/275
188	US 44970 31 A	<input checked="" type="checkbox"/>	Direct digital control apparatus for automated monitoring and control of building systems	700/276
189	US 44829 61 A	<input checked="" type="checkbox"/>	Automatic control system for directional control of an aircraft during landing rollout	701/16
190	US 44714 24 A	<input checked="" type="checkbox"/>	Apparatus and method for conditioning grain	700/16
191	US 44686 14 A	<input checked="" type="checkbox"/>	Average frequency measuring apparatus	324/76. 58
192	US RE316 51 E	<input checked="" type="checkbox"/>	Communication system using intelligent network processor	370/383
193	US 44425 02 A	<input checked="" type="checkbox"/>	Digital information switching system	710/316
194	US 44072 90 A	<input checked="" type="checkbox"/>	Blood constituent measuring device and method	600/330
195	US 43873 65 A	<input checked="" type="checkbox"/>	Real time digital scan converter	708/442
196	US 43607 69 A	<input checked="" type="checkbox"/>	Optical counting motor shaft positioner	318/601
197	US 43578 49 A	<input checked="" type="checkbox"/>	Key switch information assignor	84/617
198	US 43545 76 A	<input checked="" type="checkbox"/>	Command speed generator system for elevator car	187/293
199	US 41931 16 A	<input checked="" type="checkbox"/>	Analysis instrument	702/23
200	US 41173 64 A	<input type="checkbox"/>	Voltage waveform synthesizer and a system that includes the same	318/810

	L #	Hits	Search Text	DBs
1	L1	183073	((i adj1 o) input\$4 output\$4) near20 (port pin pad)	USPAT; US-PGPUB
2	L2	13897	1 near50 ((select\$5 reconfigur\$4 configur\$4) near20 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
3	L3	769	2 near50 ((process\$3 core internal\$2 inside (on adj1 chip)) near20 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
4	L4	11402	1 near20 ((select\$5 reconfigur\$4 configur\$4) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
5	L5	452	4 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
6	L7	21135	1 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
7	L9	908	7 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
8	L10	631	(pin port pad (i adj1 o) input\$4 out\$4).ab,ti. and 9	USPAT; US-PGPUB
9	L12	71320	((i adj1 o) input\$4 output\$4) near20 (port pin pad)	EPO; JPO; DERWENT; IBM_TDB
10	L16	4471	12 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	EPO; JPO; DERWENT; IBM_TDB
11	L11	397	(pin port pad).ab,ti. and 9	USPAT; US-PGPUB
12	L17	158	16 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	EPO; JPO; DERWENT; IBM_TDB

	Docum ent ID	U	Title	Current OR
1	JP 20030 84919 A	<input type="checkbox"/>	CONTROL METHOD OF DISK ARRAY DEVICE, AND DISK ARRAY DEVICE	
2	JP 20023 42253 A	<input checked="" type="checkbox"/>	METHOD FOR CONTROLLING STORAGE SUB-SYSTEM AND STORAGE SUB-SYSTEM	
3	JP 20023 23968 A	<input checked="" type="checkbox"/>	MULTICOMPUTER SYSTEM	
4	JP 20012 85347 A	<input checked="" type="checkbox"/>	DEVICE FOR PACKET SWITCHING AND METHOD FOR STATISTICS INFORMATION PROCESSING	
5	JP 20012 23793 A	<input checked="" type="checkbox"/>	MESSAGE TRANSFER PART LEVEL-3 ALIAS POINT CODE	
6	JP 20011 56257 A	<input checked="" type="checkbox"/>	SEMICONDUCTOR INTEGRATED CIRCUIT	
7	JP 20011 33511 A	<input checked="" type="checkbox"/>	SEMICONDUCTOR DEVICE	
8	JP 20010 07847 A	<input checked="" type="checkbox"/>	MULTI-PROTOCOL PROCESSING DEVICE, CIRCUIT INTERFACE AND MULTI-PROTOCOL SWITCH SYSTEM HAVING THEM	
9	JP 20003 30879 A	<input checked="" type="checkbox"/>	METHOD AND DEVICE FOR TESTING INPUT/OUTPUT CHANNEL	
10	JP 20002 31535 A	<input checked="" type="checkbox"/>	DATA PROCESSOR HAVING MEMORY COUPLING UNIT	
11	JP 20000 69004 A	<input checked="" type="checkbox"/>	FLOW CONTROL METHOD FOR EXCHANGE SYSTEM AND EXCHANGE SYSTEM	
12	JP 11306 132 A	<input checked="" type="checkbox"/>	METHOD AND PROCESSOR FOR SIGNAL PROCESSING AND DIGITAL BROADCAST RECEIVING DEVICE	
13	JP 10215 259 A	<input checked="" type="checkbox"/>	SWITCH FOR PACKET COMMUNICATION SYSTEM	
14	JP 09217 534 A	<input checked="" type="checkbox"/>	AUTOMATIC LOCKING DEVICE FOR VEHICULAR KEYLESS SYSTEM	
15	JP 08278 839 A	<input checked="" type="checkbox"/>	CONNECTION SWITCHING DEVICE	
16	JP 08204 544 A	<input checked="" type="checkbox"/>	PROGRAMMABLE LOGIC CIRCUIT ELEMENT	
17	JP 08137 819 A	<input checked="" type="checkbox"/>	CONNECTION CONTROLLER	
18	JP 08006 737 A	<input checked="" type="checkbox"/>	FAULT RESISTANT DATA STORAGE SUB-SYSTEM AND DATA PROCESSING SYSTEM	
19	JP 07191 947 A	<input checked="" type="checkbox"/>	PARALLEL COMPUTERS	

	Docum ent ID	U	Title	Current OR
20	JP 07047 878 A	<input checked="" type="checkbox"/>	HEADLAMP FOR VEHICLE	
21	JP 06314 264 A	<input checked="" type="checkbox"/>	SELF-ROUTING CROSS BAR SWITCH	
22	JP 05128 721 A	<input checked="" type="checkbox"/>	MAGNETIC RECORDING AND REPRODUCING DEVICE	
23	JP 05027 864 A	<input checked="" type="checkbox"/>	POWER FAILURE COMPENSATING STRUCTURE FOR MICROCOMPUTER EQUIPMENT	
24	JP 04295 954 A	<input checked="" type="checkbox"/>	DATA PROCESSOR	
25	JP 04291 179 A	<input checked="" type="checkbox"/>	DC TEST SYSTEM FOR INPUT AND OUTPUT BUFFERS OF INTEGRATED CIRCUIT	
26	JP 04238 588 A	<input checked="" type="checkbox"/>	SINGLE CHIP MICROCOMPUTER	
27	JP 04169 982 A	<input checked="" type="checkbox"/>	MICROCOMPUTER	
28	JP 04068 554 A	<input checked="" type="checkbox"/>	SEMICONDUCTOR INTEGRATED CIRCUIT	
29	JP 04056 150 A	<input checked="" type="checkbox"/>	LARGE SCALE INTEGRATED CIRCUIT	
30	JP 04023 445 A	<input checked="" type="checkbox"/>	SPECIFYING METHOD OF REFLECTION NOISE GENERATING PIN	
31	JP 03161 854 A	<input checked="" type="checkbox"/>	SERIAL PORT CONTROL SYSTEM	
32	JP 03110 660 A	<input checked="" type="checkbox"/>	MULTIPOINT SWITCHING CONTROL SYSTEM	
33	JP 03081 823 A	<input checked="" type="checkbox"/>	PERSONAL COMPUTER	
34	JP 02239 357 A	<input checked="" type="checkbox"/>	COMPUTER INTERFACE	
35	JP 02186 661 A	<input checked="" type="checkbox"/>	INTEGRATED CIRCUIT	
36	JP 01125 646 A	<input checked="" type="checkbox"/>	INFORMATION PROCESSOR	
37	JP 62219 054 A	<input checked="" type="checkbox"/>	SYSTEM FOR CONNECTING I/O PORT DEVICES	
38	JP 61223 669 A	<input checked="" type="checkbox"/>	LSI TEST SYSTEM	
39	JP 61122 038 A	<input checked="" type="checkbox"/>	GEAR PARKING APPARATUS OF VEHICLE	
40	JP 58076 910 A	<input checked="" type="checkbox"/>	ABNORMAL STATE DETECTING DEVICE	
41	JP 56031 813 A	<input checked="" type="checkbox"/>	AIR CONDITIONER FOR VEHICLE	
42	JP 54079 041 A	<input checked="" type="checkbox"/>	CONTROL METHOD FOR COPIER	

	Docum ent ID	U	Title	Current OR
43	EP 11869 69 A2	<input checked="" type="checkbox"/>	Alarm clock with remote control function	
44	EP 10943 82 A1	<input checked="" type="checkbox"/>	Reset device and control system	
45	EP 10016 48 A2	<input checked="" type="checkbox"/>	Switch architecture for digital multiplexed signals	
46	EP 87893 8 A2	<input checked="" type="checkbox"/>	System for conducting rate control of ATM traffic	
47	EP 68914 3 A1	<input checked="" type="checkbox"/>	Data storage subsystem	
48	EP 63266 0 A1	<input checked="" type="checkbox"/>	Monitor system with automatic recording control.	
49	EP 62388 0 A2	<input checked="" type="checkbox"/>	Crossbar switch for multiprocessor system.	
50	EP 55018 7 A2	<input checked="" type="checkbox"/>	Analog to digital converter calibration system and method of operation.	
51	EP 51183 4 A2	<input checked="" type="checkbox"/>	Multi-stage interconnect network for processing system.	
52	EP 34792 9 A2	<input checked="" type="checkbox"/>	Parallel processor.	
53	DE 37161 41 A1	<input checked="" type="checkbox"/>	Charge indicator for ISDN switching systems	
54	EP 28222 7 A1	<input checked="" type="checkbox"/>	Signal switching processor.	
55	US 20030 14402 4 A	<input checked="" type="checkbox"/>	Multiple telephone numbers provision apparatus for cellular telephone, has central processing unit with input ports connected to cellular telephone, to receive reset signal so as to control switching of telephone numbers	
56	CA 23691 78 A	<input checked="" type="checkbox"/>	Crossbar switching fabric for data routing has multiple crossbar ingress and egress processing units with memory buffer for data storage	
57	KR 20030 33339 A	<input checked="" type="checkbox"/>	Device for recognizing multi-signal and method thereof	
58	WO 20030 50640 A	<input checked="" type="checkbox"/>	Data processor for architectures of high-performance parallel computing systems has functional units and switchboard to selectively connect the input operand ports of functional units to result ports of each of other functional units	
59	US 20030 06585 8 A	<input checked="" type="checkbox"/>	Input apparatus e.g. keyboard for handheld information processor, includes route selection unit which disconnects/connects transmission route between main and transmission connection ports based on logic level	
60	US 20030 05656 5 A	<input checked="" type="checkbox"/>	Chemical dispensing system for washing machine, has sensors which outputs signal corresponding to quantity of liquid chemical in respective chemical pod	
61	US 20030 05887 3 A	<input checked="" type="checkbox"/>	Network device such as network processor based multi-port switch has parallel compression/decompression engine coupled to memory buffer which is configured as data cache to input data to processor	
62	KR 20030 10859 A	<input checked="" type="checkbox"/>	Performance extendable clos switching system	

	Docum ent ID	U	Title	Current OR
63	US 20030 04646 0 A	<input checked="" type="checkbox"/>	Controlling method for disk array system involves temporarily holding large number of packets, received from one of two interface units communicating with host system and disk drives, in switch unit	
64	JP 20030 29919 A	<input checked="" type="checkbox"/>	Input device for portable computers, switches its operation mode, when connected/disconnected from information processor	
65	US 20020 18643 4 A	<input checked="" type="checkbox"/>	Communication channel routing method for optical communication network, involves allocating wavelength selective element of internal route connecting input and output ports of transparent photonic switch	
66	US 20020 14391 0 A	<input checked="" type="checkbox"/>	Network hub for controlling connection between server and workstations in LAN, has switching circuits to control conduction or cut-off of connecting ports based on control signals output by signal processing circuit	
67	US 20020 08330 8 A	<input checked="" type="checkbox"/>	Data processing device has configurable connection circuits to pass operand and result bits between input and output ports of configurable functional unit through configurable logic blocks	
68	JP 20021 64849 A	<input checked="" type="checkbox"/>	Wavelength division multiplexing transmission device for optical network, has switch control circuit to control matrix switch which connects input-output ports and optical transmitting and receiving modules	
69	KR 20020 25525 A	<input checked="" type="checkbox"/>	Method of utilizing virtual path identifier and virtual channel identifier of internal switching cell in asynchronous transfer mode switching system	
70	DE 10036 643 A	<input checked="" type="checkbox"/>	Method and device for controlling operating routines in motor vehicle engine control uses a processor module to link to a bus system like a select port interface bus via a bus input/output interface while communicating through it.	
71	WO 20021 0930 A	<input checked="" type="checkbox"/>	Multiprocessor system with several processor modules coupled together via backplane has switch with I/O ports for routing Ethernet MAC protocol data packets from one of first, second and third processors to another of the three processors	
72	JP 20020 26749 A	<input checked="" type="checkbox"/>	Digital-signal processing apparatus for radio connected to PC, has input-output port of arbitrary submodule selected from submodules having signal-processing circuits, that is connected to input-output port of main module	
73	WO 20018 3007 A	<input checked="" type="checkbox"/>	Closed loop system for controlling administration of medication to patient, comprises sensor package, medication delivery unit, and medication delivery controller	
74	US 63113 03 B	<input checked="" type="checkbox"/>	Integrated circuit debugging method uses circuit modules to drive otherwise inaccessible internal signals through monitor port and has trace select register to enable selected modules	
75	WO 20017 9979 A	<input checked="" type="checkbox"/>	Navigation control unit for a wireless communication resource access device using a microprocessor to store information regarding the control unit and to process user input	
76	US 62694 58 B	<input checked="" type="checkbox"/>	Fault diagnosing and isolating method in computer system, involves comparing two values from different memory areas, by processor which indicates error when values are different	
77	KR 20010 64227 A	<input checked="" type="checkbox"/>	Interface method of network processing module in multilayer packet switch system and multilayer packet switch system thereof	
78	KR 20010 56947 A	<input checked="" type="checkbox"/>	Interface between cpu and dsp in cdma mobile communication system	
79	JP 20010 69196 A	<input checked="" type="checkbox"/>	Multifunctional processing apparatus for vehicle navigation apparatus, switches processing of signals input to common and different pins of interface section based on communication mode of devices recognized	
80	US 61608 11 A	<input checked="" type="checkbox"/>	Data packet router for providing communication between computer system, has input for interface modules to select processes for each packet based on data in respective packet header	



	Document ID	U	Title	Current OR
81	DE 19924 343 A	<input checked="" type="checkbox"/>	Port control unit for program controlled device with input and output connections - with port control unit consisting of identical control modules and connected over common interface with internal bus of device and selected or configured according to temperature of device	
82	US 60492 25 A	<input checked="" type="checkbox"/>	Programmable logic array device provides multiple levels of switching between interconnection conductors and output pins of programmable logic core	
83	WO 20000 4741 A	<input checked="" type="checkbox"/>	Composite ATM switch configuration for ATM network	
84	JP 20000 20413 A	<input checked="" type="checkbox"/>	Operation verification system for dynamic switch device used in input-output processor of host system - uses input-output simulators, which connect to dynamic switch ports of dynamic switch device, in input-output device side of host system to secure predetermined synchronization	
85	US 59599 94 A	<input checked="" type="checkbox"/>	Enhanced asynchronous transfer mode switch for ATM cell traffic	
86	US 59562 80 A	<input checked="" type="checkbox"/>	Contact test system for verifying contact between pins of memory tester and input-output I/O pins of a CMOS IC chip or module	
87	JP 11177 599 A	<input checked="" type="checkbox"/>	Ethernet repeater for interconnection of several local area network terminals - connects port with large communication data with respective internal bus, when amount detector detects large amount of communication data in that port	
88	RU 21288 87 C	<input checked="" type="checkbox"/>	Multifunctional telephone set	
89	RD 41709 7 A	<input checked="" type="checkbox"/>	Interconnecting structure between N ports switch module and backplane connector - has peripheral zone which is boundary between internal wiring and external wiring where internal wiring connects channels to input/output terminals of module	
90	US 59387 36 A	<input checked="" type="checkbox"/>	Search engine architecture for computer network multi-layer switch element - configured to schedule and perform accesses to forwarding memory and to transfer forwarding decisions to input ports	
91	US 58322 91 A	<input checked="" type="checkbox"/>	Interconnection architecture between processor array, external memory and input-output port - has memory channels comprising three single ported RAM corresponding to respective controller channels	
92	JP 10275 141 A	<input checked="" type="checkbox"/>	Calculating device used for e.g. communication data processing operation of network apparatus - has MPX and DMPX, connected to each input port and output port respectively, that selectively inputs and outputs several data from virtual node processor respectively	
93	US 58071 75 A	<input checked="" type="checkbox"/>	OS reconfiguration method during connection or disconnection of player actuated digital input devices from computer port - involves processing input signal received from digital input device through port, without need for rebooting computer based on identified input device type	
94	JP 10207 831 A	<input checked="" type="checkbox"/>	Priority level determination system for parallel processor connected to network - has sequential and non-sequential priority level determination units that select output port from ports that are to be sequentially assigned and need not be assigned to input port respectively	
95	WO 98321 12 A	<input checked="" type="checkbox"/>	Sensory communication appts. e.g. for use by blind people - includes central processing unit with data store, controller for output of data from store to output processor and output element with tactile sensor units connected to receive data from processor so output can be determined by touch	
96	JP 10143 465 A	<input checked="" type="checkbox"/>	Data forwarding system for information processors such as personal computer, workstation, server machine, office computer, mainframe, super computer - has large-scale -integrators connected to slice obtained by dividing data forwarding path of n-bit width by slice of m-bit width	

	Docum ent ID	U	Title	Current OR
97	US 57517 64 A	<input checked="" type="checkbox"/>	Switch configuring method for TV post production facility - disabling ports to which two ports to be connected are currently connected, and configuring switching core to forward and reverse connections between the two ports	
98	US 57269 85 A	<input checked="" type="checkbox"/>	Asynchronous transfer mode communication system for processing and organising digital information - has I/O port interface that issues respective request for access to memory, programmable processor exercises executive control over pre-configured processor and input/output port interface device	
99	US 57198 62 A	<input checked="" type="checkbox"/>	Network switch with local or central clock - has temporary connection between input and output ports, with several media access controller modules having source and destination modules for receiving and transmitting data packets, with packet framer adding start flag	
100	JP 09304 797 A	<input checked="" type="checkbox"/>	Optical switch unit for optical signal processor, light transmitting system - has optical gate switch connected to each output port of optical switch element which switches with optical heating effect	
101	JP 09282 900 A	<input checked="" type="checkbox"/>	Memory module with various memory devices e.g. DRAM, SRAM for e.g. personal computer, workstation - has jumper chip that switches connection between input-output terminal and data input-output terminal of memory device and connects only input-output terminal with normal bit to data input-output terminal	
102	US 56572 91 A	<input checked="" type="checkbox"/>	Multiport register file memory array device for floating point processing unit - has several select and priority circuits having port inputs and outputs, output of select and priority circuit being connected to word line	
103	US 59995 27 A	<input checked="" type="checkbox"/>	Modular ATM switch for high rate transfer of data - has inputs for switch core units in each row connected to port in individual group and outputs of units in each column connected to port in same order group	
104	US 56529 00 A	<input checked="" type="checkbox"/>	2n-bits width data bus for context switching function in data processor - has control unit is coupled to output port, instruction decoding unit and generates control signals to control execution of instructions according to output of instruction decoding unit	
105	US 56027 50 A	<input checked="" type="checkbox"/>	Administrative and testing appts for testing industrial equipment e.g. computer - has instrumentation processor that control controllable relay switches in response to serial data signals received over serial port from administrative computer	
106	US 56027 28 A	<input checked="" type="checkbox"/>	Three button microprocessor-based programmable irrigation sprinkler valve control module - includes irrigation control processor mounted in controller housing and interfaced with personal computer, LCD display, menu cycle switch for cycling among menus of control program and output port connected to sprinkler valve	
107	JP 08329 232 A	<input checked="" type="checkbox"/>	Image data memory device for e.g. personal computer, word processor - has input and output switches which selectively performs data write-in operation through input port that is connected to transmitter or data read-out operation through output port that is connected to image processor	
108	JP 08278 839 A	<input checked="" type="checkbox"/>	Connection switching appts. for e.g. personal computer - has switch which connects several external device I-O ports to computer port through several connection switch I-O port based on detected data of data sensor of personal computer	
109	TW 28380 4 A	<input checked="" type="checkbox"/>	Serial address generator for burst mode memory device - has internal and external address enable switches, and address arranging device with time burst input port, preset port and output port	
110	EP 72653 2 A	<input checked="" type="checkbox"/>	Single instruction, multiple data processing system - has processor elements connected in cluster by common instruction bus to instruction memory	
111	GB 22966 21 A	<input checked="" type="checkbox"/>	Switch adaptor for ATM switch - has switch unit with several input and output ports, controller connected between specific input port and output port to control data process, and interface unit coupled to controller	

	Docum ent ID	U	Title	Current OR
112	JP 08171 536 A	<input checked="" type="checkbox"/>	High-speed data processor for e.g. image processing - has start timing delay unit which combines and delays start timing operation of each data processing unit, and several data bus connection switches connected to several data bus	
113	US 55328 44 A	<input checked="" type="checkbox"/>	System for interfacing processor with image scanner - Has interface unit with switching device responsive to designated transfer mode to select either processor input ports or output ports	
114	JP 08064 648 A	<input checked="" type="checkbox"/>	Semiconductor wafer for LSI mfg process - has decoding unit that is connected to pad and IC chip, which decodes chip selecting signal input from pad for probe contact	
115	EP 70000 3 A	<input checked="" type="checkbox"/>	Data processor with controlled burst memory accesses - includes external bus interface circuit responsive to two internal bus master devices to perform either fixed or variable burst access	
116	GB 22917 70 A	<input checked="" type="checkbox"/>	Display appts. for communicating control data via channel to computer system - includes user control panel with manually operable switches mounted in front of display unit for selectively connecting key=pad interrupt lines of processor to serial channel of cable via communication interface circuit and input unit	
117	EP 68914 3 A	<input checked="" type="checkbox"/>	Fault tolerant data storage subsystem - has several storage device controllers emulating storage devices with cache memories with multiple data input-output ports and processing element to selectively interconnect selected input with output port in cache	
118	US 54778 58 A	<input checked="" type="checkbox"/>	Ultrasound blood flow and tissue imaging system - has ultrasound coupling wedge to position transducer elements at fixed predetermined angle wrt skin of patient, and processor connected to output ports of switch to receive transducer outputs	
119	EP 79654 6 B	<input checked="" type="checkbox"/>	Large capacity ATM switch - includes space switch core connecting input buffer modules and output buffer modules by high speed links and sends data in bursts consisting of ATM cell train	
120	US 55862 89 A	<input checked="" type="checkbox"/>	Parallel computer with dedicated-storage access - has parallel computing architecture in which each processor has associated dedicated local memory which can be independently and asynchronously accessed by other processors	
121	US 57402 35 A	<input checked="" type="checkbox"/>	User programmable paging system control appts. - includes multiple input devices providing access to paging system with multiple output options with higher priority access input always given priority over lower priority access input	
122	FR 27121 17 A	<input checked="" type="checkbox"/>	Remote control function switching device for PC - has two segments with contacts and rocking about an axis being mounted on DIP switch while control unit transmits function switching signals and receives operation confirmation	
123	KR 95037 22 B	<input checked="" type="checkbox"/>	Automatic calling circuit from inner subscriber to outer one in private telephone exchange - detects voice source in constant time interval	
124	EP 62401 7 A	<input checked="" type="checkbox"/>	Packet data communication network with centralised management plane - enables management unit to be kept informed of network configuration and states of micro-nodes available for re-routing	
125	EP 62388 0 A	<input checked="" type="checkbox"/>	Self routing crossbar switch for multiprocessor system - interconnects several processors with memory modules using self routing crossbar switch connecting processors and memory modules, with processor connected to each input port and memory to each output port	
126	US 54577 85 A	<input checked="" type="checkbox"/>	Device-driver-software-transparent bus interface - uses master state-translation and controller to enable computer system to drive external I=O devices	
127	EP 59973 5 A	<input checked="" type="checkbox"/>	Async. transfer mode data cell processing circuit for wideband communication network - has first-in-first-out memory with dual outputs separating header and information fields under control of reading input controls	
128	US 53172 10 A	<input checked="" type="checkbox"/>	Input output cell for programmable logic device - has I/O pad directly connected with selected logic array block without travelling through latch of cell and internal bus of programmable logic device	

	Docum ent ID	U	Title	Current OR
129	GB 22718 97 A	☒	Electronic solid-state data processing device, e.g. for heating controller - uses bi-stable relay to select connection between port and line, to link devices, and to carry functionally different signals	
130	KR 94030 28 B	☒	Function failure notifying device for voice processing system - comprises automatic switching circuit which connects tip port and ring port with message sending circuit if output power is down	
131	EP 65704 6 B	☒	Communications port for three port fault tolerant operation - has command protocol on parallel lines requiring computer to issue two complementary commands to complete inter processor communication	
132	JP 05316 135 A	☒	Dual ring multi-state reconfiguration and access unit for serial communication network - has input and output for connecting primary and secondary rings of dual network, adaptors for receiving and re-transmitting signals and ports for attaching data terminals	
133	EP 56261 3 A	☒	Semicustom integrated circuit e.g. ECL gate array - has power source lines formed on peripheral circuit cells to surround internal circuit	
134	GB 22619 67 A	☒	System status maintaining and supporting appts. - has console commonly connected to CPU and support processor to remotely monitor system status via I=O ports of support processor	
135	GB 22589 25 A	☒	Semiconductor memory power voltage generator - has voltage sense and circuit reference voltage controller, both governing internal power voltage generator to provide internal voltage w.r.t. sensed level	
136	EP 50622 4 A	☒	Packaging structures for high performance computer system - supports very fast cycle time and high bandwidth by stacking ECMs with input output pads on three edges which support multiple processors per module	
137	US 51230 11 A	☒	Modular multistage switch for parallel computing system - has identical modules which include on-board interconnections between input and output ports for providing interconnections among processors coupled to module	
138	EP 48164 5 A	☒	Test equipment for colour image processing appts. - supplies output of image processor to raster store for selective display or electronic comparison	
139	EP 53505 0 B	☒	Switching element for high speed data traffic - transmits data in parallel form between two input and two output ports using switching unit and control unit	
140	EP 42296 5 A	☒	Video signals circuit for continuous vector processor - has data transfer controller connected to input register set to enabling data transfer between registers	
141	GB 22295 57 A	☒	Accessing addressable memory with reduced number of connections - setting start address in response to reset signal and altering it with clock signals	
142	US 49244 26 A	☒	Selection circuitry fr distributing data blocks from external memory - has selector directly coupled to memory for receiving each data block read out from memory	
143	US 48477 51 A	☒	Multi-task execution control system - has multi-task support processor controlling switching and communications between tasks under direction of received command	
144	EP 34642 0 B	☒	Multi-processor system for fast data exchange - uses series connections between memory and processor shift registers for transfer of data blocks	
145	EP 29884 5 A	☒	Interfering station suppression in switched radio direction finder - having AGC of each channel amplifier held fixed during each switching cycle by use of PIN diodes	
146	EP 28918 9 A	☒	Portable communications network hub device - serves as communications net for computers and answers to protocol requirements of adaptor cards	
147	SU 14256 85 A	☒	Program debugging unit - sets several debugging modes in format of oje command byte with direct access memory modification	
148	EP 28282 5 A	☒	Digital signal processor e.g. for speech signals - has parallel data input-output ports which implement parallel communication independently of input-output operations and asynchronously	

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149	EP 28222 7 A	<input checked="" type="checkbox"/>	Signal switching processor esp. for optical signals - has input ports connected in pairs toto exchange-by-pass modules of group having ports coupled to redistribution network	
150	DE 38018 69 A	<input checked="" type="checkbox"/>	Digital signal processing for communication telephone system - has main controller which dynamically allocates circuit switch and message channels of programmable digital switch	
151	EP 27284 7 A	<input checked="" type="checkbox"/>	bidirectional semiconductor device e.g. for use with FIFO memory - controls switches between internal and external parts by mode signal for bidirectional data transmission	
152	AU 87776 73 A	<input checked="" type="checkbox"/>	Distributed fault tolerant on-line transaction processing system - has internal bus connecting real time processor, applications program processor, local memory and one I=O processor	
153	CA 11829 28 A	<input checked="" type="checkbox"/>	Switchable element matrix scanning for microprocessor keyboard - using control and shift leads for state change of element and connecting logic gate to 2 output leads	
154	EP 10480 2 A	<input checked="" type="checkbox"/>	Multiport module for async. speed independent processor network - has input selector circuit for each port to specify which output circuit connected to ports will transmit message	
155	EP 99978 A	<input checked="" type="checkbox"/>	Star-loop communication system for processors and terminals - uses digital switch to set up loop-star or multi-drop configurations with monitor for switch connections	
156	EP 57511 A	<input checked="" type="checkbox"/>	Information processing appts. for multiprocessor system - uses common port control circuit whether processor is master or slave	
157	US 42764 51 A	<input checked="" type="checkbox"/>	Fault monitoring and diagnostic system for switching system - uses test call generator to initiate tests and to re-route output signals using programmable switch if fault discovered	
158	WO 80003 81 A	<input type="checkbox"/>	Plug-in input and output simulator module - has switches assigned to connector pins to pass selected logic signal to processor unit of controller	

	L #	Hits	Search Text	DBs
1	L1	183073	((i adj1 o) input\$4 output\$4) near20 (port pin pad)	USPAT; US-PGPUB
2	L2	13897	1 near50 ((select\$5 reconfigur\$4 configur\$4) near20 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
3	L3	769	2 near50 ((process\$3 core internal\$2 inside (on adj1 chip)) near20 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
4	L4	11402	1 near20 ((select\$5 reconfigur\$4 configur\$4) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
5	L5	452	4 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
6	L7	21135	1 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
7	L9	908	7 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
8	L10	631	(pin port pad (i adj1 o) input\$4 out\$4).ab,ti. and 9	USPAT; US-PGPUB
9	L12	71320	((i adj1 o) input\$4 output\$4) near20 (port pin pad)	EPO; JPO; DERWENT; IBM_TDB
10	L16	4471	12 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	EPO; JPO; DERWENT; IBM_TDB
11	L11	397	(pin port pad).ab,ti. and 9	USPAT; US-PGPUB
12	L18	198	11 and @pd<20000906	USPAT; US-PGPUB
13	L17	158	16 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	EPO; JPO; DERWENT; IBM_TDB

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2	L2	13897	1 near50 ((select\$5 reconfigur\$4 configur\$4) near20 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
3	L3	769	2 near50 ((process\$3 core internal\$2 inside (on adj1 chip)) near20 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
4	L4	11402	1 near20 ((select\$5 reconfigur\$4 configur\$4) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
5	L5	452	4 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
6	L7	21135	1 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
7	L9	908	7 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
8	L10	631	(pin port pad (i adj1 o) input\$4 out\$4).ab,ti. and 9	USPAT; US-PGPUB
9	L12	71320	((i adj1 o) input\$4 output\$4) near20 (port pin pad)	EPO; JPO; DERWENT; IBM_TDB
10	L16	4471	12 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	EPO; JPO; DERWENT; IBM_TDB
11	L11	397	(pin port pad).ab,ti. and 9	USPAT; US-PGPUB
12	L17	158	16 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	EPO; JPO; DERWENT; IBM_TDB

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2	L2	13897	1 near50 ((select\$5 reconfigur\$4 configur\$4) near20 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
3	L3	769	2 near50 ((process\$3 core internal\$2 inside (on adj1 chip)) near20 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
4	L4	11402	1 near20 ((select\$5 reconfigur\$4 configur\$4) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
5	L5	452	4 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
6	L7	21135	1 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
7	L9	908	7 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
8	L10	631	(pin port pad (i adj1 o) input\$4 out\$4).ab,ti. and 9	USPAT; US-PGPUB
9	L12	71320	((i adj1 o) input\$4 output\$4) near20 (port pin pad)	EPO; JPO; DERWENT; IBM_TDB
10	L16	4471	12 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	EPO; JPO; DERWENT; IBM_TDB
11	L11	397	(pin port pad).ab,ti. and 9	USPAT; US-PGPUB
12	L17	158	16 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	EPO; JPO; DERWENT; IBM_TDB
13	L19	4902	12 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$4 multiplex\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	EPO; JPO; DERWENT; IBM_TDB
14	L21	23497	1 near20 ((select\$5 reconfigur\$4 configur\$4 switch\$4 multiplex\$3) near10 (interfac\$3 connect\$3 interconnect\$3 coupl\$3))	USPAT; US-PGPUB
15	L22	1033	21 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2))	USPAT; US-PGPUB
16	L24	292	22 and analog	USPAT; US-PGPUB
17	L20	16	19 near20 ((process\$3 core internal\$2 inside (on adj1 chip)) near10 (resource element unit module device peripher\$2)) not 17	EPO; JPO; DERWENT; IBM_TDB
18	L23	30	(pin port pad).ab,ti. and 22 not 11	USPAT; US-PGPUB
19	L25	202	24 not (11 23)	USPAT; US-PGPUB



	Docum ent ID	U	Title	Current OR
1	US 61148 48 A	<input type="checkbox"/>	Direct-measurement provision of safe backdrive levels	324/158 .1
2	US 61087 25 A	<input checked="" type="checkbox"/>	Multi-port internally cached DRAM system utilizing independent serial interfaces and buffers arbitrarily connected under a dynamic configuration to allow access to a common internal bus	710/56
3	US 61050 07 A	<input checked="" type="checkbox"/>	Automatic financial account processing system	705/38
4	US 61045 89 A	<input checked="" type="checkbox"/>	Method of protecting an integrated circuit, method of operating integrated circuitry, and method of operating cascode circuitry	361/111
5	US 61045 88 A	<input checked="" type="checkbox"/>	Low noise electrostatic discharge protection circuit for mixed signal CMOS integrated circuits	361/111
6	US 61006 70 A	<input checked="" type="checkbox"/>	Multi-functional battery management module operable in a charging mode and a battery pack mode	320/150
7	US 60850 90 A	<input checked="" type="checkbox"/>	Autonomous interrogatable information and position device	455/440
8	US RE367 51 E	<input checked="" type="checkbox"/>	ATM switching system connectable to I/O links having different transmission rates	370/378
9	US 60814 73 A	<input checked="" type="checkbox"/>	FPGA integrated circuit having embedded sram memory blocks each with statically and dynamically controllable read mode	365/230 .01
10	US 60757 88 A	<input checked="" type="checkbox"/>	Sonet physical layer device having ATM and PPP interfaces	370/395 .51
11	US 60646 79 A	<input checked="" type="checkbox"/>	Hub port without jitter transfer	370/513
12	US 60640 93 A	<input checked="" type="checkbox"/>	Protection circuit with clamping feature for semiconductor device	257/355
13	US 60613 45 A	<input checked="" type="checkbox"/>	Crossbar routing switch for a hierarchical crossbar interconnection network	370/351
14	US 60611 56 A	<input checked="" type="checkbox"/>	Optical transmission system	398/55
15	US 60552 35 A	<input checked="" type="checkbox"/>	Switching system	370/389
16	US 60492 25 A	<input checked="" type="checkbox"/>	Input/output interface circuitry for programmable logic array integrated circuit devices	326/41
17	US 60492 24 A	<input checked="" type="checkbox"/>	Programmable logic device with logic cells having a flexible input structure	326/41
18	US 60444 25 A	<input checked="" type="checkbox"/>	Information processing system for selectively connecting multiple types of extension devices to connection ports	710/104
19	US 60354 14 A	<input checked="" type="checkbox"/>	Reliability of crossbar switches in an information processing system	714/7
20	US 60322 04 A	<input checked="" type="checkbox"/>	Microcontroller with a synchronous serial interface and a two-channel DMA unit configured together for providing DMA requests to the first and second DMA channel	710/23
21	US 60185 18 A	<input checked="" type="checkbox"/>	Flow control in a cell switched communication system	370/235
22	US 60163 17 A	<input checked="" type="checkbox"/>	ATM cell switching system	370/391

	Docum ent ID	U	Title	Current OR
23	US 60147 15 A	<input checked="" type="checkbox"/>	Method and apparatus for assigning port addresses	710/11
24	US 60117 91 A	<input checked="" type="checkbox"/>	Multi-processor system and its network	370/352
25	US 60058 67 A	<input checked="" type="checkbox"/>	Time-division channel arrangement	370/409
26	US 59905 77 A	<input checked="" type="checkbox"/>	Hub for local area network with backup power supply system	307/26
27	US 59833 77 A	<input checked="" type="checkbox"/>	System and circuit for ASIC pin fault testing	714/726
28	US 59832 91 A	<input checked="" type="checkbox"/>	System for storing each of streams of data bits corresponding from a separator thereby allowing an input port accommodating plurality of data frame sub-functions concurrently	710/52
29	US 59830 14 A	<input checked="" type="checkbox"/>	Power management system that one of plurality of peripheral signals is selectably routed to main pad clock node during a test mode	702/60
30	US 59826 14 A	<input checked="" type="checkbox"/>	Docking station including a port replicator for sharing peripherals between a portable computer and desktop computer	361/686
31	US 59716 32 A	<input checked="" type="checkbox"/>	Printer with internal document data construction	400/68
32	US 59637 46 A	<input checked="" type="checkbox"/>	Fully distributed processing memory element	712/20
33	US 59630 77 A	<input checked="" type="checkbox"/>	Auto mode selector	327/408
34	US 59598 69 A	<input checked="" type="checkbox"/>	Vending machine controller and system	700/231
35	US 59580 24 A	<input checked="" type="checkbox"/>	System having a receive data register for storing at least nine data bits of frame and status bits indicating the status of asynchronous serial receiver	710/26
36	US 59499 84 A	<input checked="" type="checkbox"/>	Emulator system	703/23
37	US 59497 80 A	<input checked="" type="checkbox"/>	Integration of intelligence with communications in a switching node	370/389
38	US 59417 75 A	<input checked="" type="checkbox"/>	Data processing system, method thereof and memory cassette	463/44
39	US 59387 36 A	<input checked="" type="checkbox"/>	Search engine architecture for a high performance multi-layer switch element	709/243
40	US 59334 29 A	<input checked="" type="checkbox"/>	Multipoint-to-multipoint echo processing in a network switch	370/392
41	US 59236 54 A	<input checked="" type="checkbox"/>	Network switch that includes a plurality of shared packet buffers	370/390
42	US 59109 78 A	<input checked="" type="checkbox"/>	Audio/modem interface unit	379/93. 01
43	US 59073 04 A	<input checked="" type="checkbox"/>	Lightweight antenna subpanel having RF amplifier modules embedded in honeycomb support structure between radiation and signal distribution networks	343/700 MS
44	US 59057 25 A	<input checked="" type="checkbox"/>	High speed switching device	370/389
45	US 58985 87 A	<input checked="" type="checkbox"/>	System for simultaneous game data and arena display control	700/92

	Docum ent ID	U	Title	Current OR
46	US 58929 74 A	<input checked="" type="checkbox"/>	System for sub-data processor identifies the peripheral from supplied identification data and supplies data indicative of the kind of peripheral to main data processor	710/16
47	US 58923 86 A	<input checked="" type="checkbox"/>	Internal power control circuit for a semiconductor device	327/530
48	US 58776 84 A	<input checked="" type="checkbox"/>	Sensor equipped portable alarm device which can be used in conjunction with external alarm device	340/521
49	US 58729 94 A	<input checked="" type="checkbox"/>	Flash memory incorporating microcomputer having on-board writing function	712/43
50	US 58676 90 A	<input checked="" type="checkbox"/>	Apparatus for converting data between different endian formats and system and method employing same	710/65
51	US 58570 11 A	<input checked="" type="checkbox"/>	Multi-port caller ID-based telephone ringback test device	379/29. 06
52	US 58527 12 A	<input checked="" type="checkbox"/>	Microprocessor having single poly-silicon EPROM memory for programmably controlling optional features	714/5
53	US 58503 95 A	<input checked="" type="checkbox"/>	Asynchronous transfer mode based service consolidation switch	370/398
54	US 58388 97 A	<input checked="" type="checkbox"/>	Debugging a processor using data output during idle bus cycles	714/30
55	US 58354 18 A	<input checked="" type="checkbox"/>	Input/output buffer memory circuit capable of minimizing data transfer required in input and output buffering operations	365/189 .05
56	US 58350 25 A	<input checked="" type="checkbox"/>	Portable battery operated power managed event recorder and interrogator system	340/870 .02
57	US 58346 93 A	<input checked="" type="checkbox"/>	Computer I/O support bracket and cable assembly	174/65R
58	US 58322 91 A	<input checked="" type="checkbox"/>	Data processor with dynamic and selectable interconnections between processor array, external memory and I/O ports	712/11
59	US 58260 49 A	<input checked="" type="checkbox"/>	Partial broadcast method in parallel computer and a parallel computer suitable therefor	710/317
60	US 58128 79 A	<input checked="" type="checkbox"/>	External multiple peripheral interface to computer serial port using individually configured parallel port terminals	710/62
61	US 58125 50 A	<input checked="" type="checkbox"/>	Asynchronous transfer mode (ATM) layer function processing apparatus with an enlarged structure	370/395 .4
62	US 58059 24 A	<input checked="" type="checkbox"/>	Method and apparatus for configuring fabrics within a fibre channel system	710/11
63	US 58055 89 A	<input checked="" type="checkbox"/>	Central shared queue based time multiplexed packet switch with deadlock avoidance	370/389
64	US 58050 85 A	<input checked="" type="checkbox"/>	Apparatus and method for scanning a key matrix	341/26
65	US 58020 52 A	<input checked="" type="checkbox"/>	Scalable high performance switch element for a shared memory packet or ATM cell switch fabric	370/395 .72
66	US 57992 09 A	<input checked="" type="checkbox"/>	Multi-port internally cached DRAM system utilizing independent serial interfaces and buffers arbitrarily connected under a dynamic configuration	710/56
67	US 57990 60 A	<input checked="" type="checkbox"/>	Multi-port caller ID-based telephone ringback test device	379/29. 05
68	US 57990 14 A	<input checked="" type="checkbox"/>	ATM cell switching system	370/358

	Docum ent ID	U	Title	Current OR
69	US 57966 75 A	<input checked="" type="checkbox"/>	Synchronous memory device having dual input registers of pipeline structure in data path	365/230 .08
70	US 57966 39 A	<input checked="" type="checkbox"/>	Method and apparatus for verifying the installation of strapping devices on a circuit board assembly	702/118
71	US 57933 13 A	<input checked="" type="checkbox"/>	Apparatus and method for scanning a key matrix	341/26
72	US 57873 07 A	<input checked="" type="checkbox"/>	Apparatus for draining off electric charges from a bus connector pins having a switch controller for controlling two switches where the second switch connects the pins to ground	710/16
73	US 57759 39 A	<input checked="" type="checkbox"/>	Interface assembly for peripheral accessories	439/502
74	US 57640 80 A	<input checked="" type="checkbox"/>	Input/output interface circuitry for programmable logic array integrated circuit devices	326/41
75	US 57548 65 A	<input checked="" type="checkbox"/>	Logical address bus architecture for multiple processor systems	710/241
76	US 57547 92 A	<input checked="" type="checkbox"/>	Switch circuit comprised of logically split switches for parallel transfer of messages and a parallel processor system using the same	709/243
77	US 57488 35 A	<input checked="" type="checkbox"/>	Audio signal decoding apparatus and method for a disc driving system	386/104
78	US 57322 07 A	<input checked="" type="checkbox"/>	Microprocessor having single poly-silicon EPROM memory for programmably controlling optional features	714/5
79	US 57320 85 A	<input checked="" type="checkbox"/>	Fixed length packet switching apparatus using multiplexers and demultiplexers	370/398
80	US 57243 48 A	<input checked="" type="checkbox"/>	Efficient hardware/software interface for a data switch	370/384
81	US 57107 70 A	<input checked="" type="checkbox"/>	ATM cell switching system	370/368
82	US 56895 06 A	<input checked="" type="checkbox"/>	Multicast routing in multistage networks	370/388
83	US 56895 05 A	<input checked="" type="checkbox"/>	Buffering of multicast cells in switching networks	370/388
84	US 56895 00 A	<input checked="" type="checkbox"/>	Multistage network having multicast routing congestion feedback	370/235
85	US 56881 74 A	<input checked="" type="checkbox"/>	Multiplayer interactive video gaming device	463/37
86	US 56709 55 A	<input checked="" type="checkbox"/>	Method and apparatus for generating directional and force vector in an input device	341/34
87	US 56687 98 A	<input checked="" type="checkbox"/>	Multiplexed TC sublayer for ATM switch	370/230
88	US 56511 38 A	<input checked="" type="checkbox"/>	Data processor with controlled burst memory accesses and method therefor	711/154
89	US 56301 61 A	<input checked="" type="checkbox"/>	Serial-parallel digital signal processor	712/36
90	US 56196 59 A	<input checked="" type="checkbox"/>	System for extending ISA bus without using dedicated device driver software by using E.sup.2 P.sup.2 interface which provides multiplexed bus signal through standard parallel port connector	710/303

	Docum ent ID	U	Title	Current OR
91	US 56129 54 A	<input checked="" type="checkbox"/>	Time switch system	370/244
92	US 56107 98 A	<input checked="" type="checkbox"/>	Personal computer housing	361/683
93	US 56086 86 A	<input checked="" type="checkbox"/>	Synchronous semiconductor memory device with low power consumption	365/233
94	US 56062 66 A	<input checked="" type="checkbox"/>	Programmable logic array integrated circuits with enhanced output routing	326/41
95	US 56030 48 A	<input checked="" type="checkbox"/>	Microprocessor with bus sizing function	710/307
96	US 55985 54 A	<input checked="" type="checkbox"/>	Multiport series memory component	716/1
97	US 55903 55 A	<input checked="" type="checkbox"/>	Data driven processor, a data driven information processing device, and a method of verifying path connections of a plurality of data driven processors in such a data driven information processing device	712/26
98	US 55862 89 A	<input checked="" type="checkbox"/>	Method and apparatus for accessing local storage within a parallel processing computer	711/111
99	US 55749 29 A	<input checked="" type="checkbox"/>	Processor circuit comprising a first processor, a memory and a peripheral circuit, and system comprising the processor circuit and a second processor	712/30
100	US 55719 98 A	<input checked="" type="checkbox"/>	Function switching device for information processing apparatus	200/50. 28
101	US 55658 79 A	<input checked="" type="checkbox"/>	High scan rate low sidelobe circular scanning antenna	343/781 R
102	US 55618 22 A	<input checked="" type="checkbox"/>	System status maintaining and supporting apparatus sharing one console with a CPU	710/36
103	US 55613 84 A	<input checked="" type="checkbox"/>	Input/output driver circuit for isolating with minimal power consumption a peripheral component from a core section	327/108
104	US 55599 70 A	<input checked="" type="checkbox"/>	Crossbar switch for multi-processor, multi-memory system for resolving port and bank contention through the use of aligners, routers, and serializers	710/317
105	US 55554 36 A	<input checked="" type="checkbox"/>	Apparatus for allowing multiple parallel port devices to share a single parallel port	710/1
106	US 55463 91 A	<input checked="" type="checkbox"/>	Central shared queue based time multiplexed packet switch with deadlock avoidance	370/413
107	US 55392 23 A	<input checked="" type="checkbox"/>	Wiring structure of source line used in semicustom integrated circuit	257/207
108	US 55329 38 A	<input checked="" type="checkbox"/>	Numerical arithmetic processing unit	708/524
109	US 55328 44 A	<input checked="" type="checkbox"/>	Image data transferring system and method	358/468
110	US 55068 40 A	<input checked="" type="checkbox"/>	Asynchronous switching node and routing logic means for a switching element used therein	370/397
111	US 55048 82 A	<input checked="" type="checkbox"/>	Fault tolerant data storage subsystem employing hierarchically arranged controllers	714/5
112	US 55006 11 A	<input checked="" type="checkbox"/>	Integrated circuit with input/output pad having pullup or pulldown	326/87

	Docum ent ID	U	Title	Current OR
113	US 54974 71 A	<input checked="" type="checkbox"/>	High performance computer system which minimizes latency between many high performance processors and a large amount of shared memory	711/100
114	US 54972 92 A	<input checked="" type="checkbox"/>	Configurable computer chassis port and method of manufacture therefor	361/818
115	US 54886 95 A	<input checked="" type="checkbox"/>	Video peripheral board in expansion slot independently exercising as bus master control over system bus in order to relief control of host computer	710/110
116	US 54554 68 A	<input checked="" type="checkbox"/>	Switching circuit for switching a plurality of lines	307/112
117	US 54447 00 A	<input checked="" type="checkbox"/>	Switching element and method for controlling the same	370/351
118	US 54428 00 A	<input checked="" type="checkbox"/>	Parallel input-output circuit permitting reduce number of pins in a single chip microcomputer	712/38
119	US 54361 83 A	<input checked="" type="checkbox"/>	Electrostatic discharge protection transistor element fabrication process	438/200
120	US 54224 93 A	<input checked="" type="checkbox"/>	Asynchronous bidirectional node switch	250/551
121	US 54209 86 A	<input checked="" type="checkbox"/>	FDDI concentrator with backplane port for dual datapath systems	370/452
122	US 54188 91 A	<input checked="" type="checkbox"/>	Printer sharing device	358/1.1 5
123	US 54172 22 A	<input checked="" type="checkbox"/>	Patient monitoring system	600/509
124	US 54166 61 A	<input checked="" type="checkbox"/>	Semiconductor integrated circuit device	361/56
125	US 54122 61 A	<input checked="" type="checkbox"/>	Two-stage programmable interconnect architecture	264/41
126	US 54086 68 A	<input checked="" type="checkbox"/>	Method and apparatus for controlling the provision of power to computer peripherals	713/324
127	US 53923 29 A	<input checked="" type="checkbox"/>	Automatic call distribution system with emergency recording system and method	379/49
128	US 53815 53 A	<input checked="" type="checkbox"/>	Signal processing apparatus for performing high speed arithmetic operations and having a power consumption reduction feature	713/320
129	US 53773 57 A	<input checked="" type="checkbox"/>	Connection state confirmation system and method for expansion unit	710/303
130	US 53752 09 A	<input checked="" type="checkbox"/>	Microprocessor for selectively configuring pinout by activating tri-state device to disable internal clock from external pin	703/25
131	US 53696 43 A	<input checked="" type="checkbox"/>	Method and apparatus for mapping test signals of an integrated circuit	714/724
132	US 53655 19 A	<input checked="" type="checkbox"/>	ATM switching system connectable to I/O links having different transmission rates	370/378
133	US 53597 17 A	<input checked="" type="checkbox"/>	Microprocessor arranged to access a non-multiplexed interface or a multiplexed peripheral interface	710/305
134	US 53485 00 A	<input checked="" type="checkbox"/>	Marine propulsion device with selectively operable secondary exhaust discharge	440/89R
135	US 53454 09 A	<input checked="" type="checkbox"/>	Programmable digital signal processor system for processing electrical power signals	702/60

	Docum ent ID	U	Title	Current OR
136	US 53452 28 A	<input checked="" type="checkbox"/>	Very large scale modular switch	340/2.2 5
137	US 53295 20 A	<input checked="" type="checkbox"/>	High-speed facility protection in a digital telecommunications system	370/225
138	US 53177 48 A	<input checked="" type="checkbox"/>	Information processing apparatus for performing two-way interruption processing	710/260
139	US 53172 10 A	<input checked="" type="checkbox"/>	I/O cell for programmable logic device providing latched, unlatched, and fast inputs	326/40
140	US 53094 30 A	<input checked="" type="checkbox"/>	Telecommunication system	370/397
141	US 53094 26 A	<input checked="" type="checkbox"/>	High performance cascadable simplex switch	370/427
142	US 53032 46 A	<input checked="" type="checkbox"/>	Fault isolation diagnostics	714/727
143	US 52934 89 A	<input checked="" type="checkbox"/>	Circuit arrangement capable of centralizing control of a switching network	710/317
144	US 52669 51 A	<input checked="" type="checkbox"/>	Analog to digital converter calibration system and method of operation	341/120
145	US 52533 45 A	<input checked="" type="checkbox"/>	Point of sale register system	705/17
146	US 52491 78 A	<input checked="" type="checkbox"/>	Routing system capable of effectively processing routing information	370/392
147	US 52107 42 A	<input checked="" type="checkbox"/>	Communication process and switching element for carrying out this process	370/400
148	US 51896 65 A	<input checked="" type="checkbox"/>	Programmable configurable digital crossbar switch	370/248
149	US 51757 02 A	<input checked="" type="checkbox"/>	Digital signal processor architecture with plural multiply/accumulate devices	708/523
150	US 51401 73 A	<input checked="" type="checkbox"/>	Microprocessor controlled door holder	307/125
151	US 51387 02 A	<input checked="" type="checkbox"/>	External image input/output device connectable image processing system	710/37
152	US 51309 75 A	<input checked="" type="checkbox"/>	Dual port memory buffers and a time slot scheduler for an ATM space division switching system	370/416
153	US 51230 11 A	<input checked="" type="checkbox"/>	Modular multistage switch for a parallel computing system	370/380
154	US 51115 08 A	<input checked="" type="checkbox"/>	Audio system for vehicular application	381/100
155	US 51093 78 A	<input checked="" type="checkbox"/>	Asynchronous time division switch with increased traffic handling capability	370/422
156	US 50516 22 A	<input checked="" type="checkbox"/>	Power-on strap inputs	326/38
157	US 50346 86 A	<input checked="" type="checkbox"/>	Weapon interface system evaluation apparatus and method	324/537
158	US 50273 46 A	<input checked="" type="checkbox"/>	Node apparatus for parallel communication	370/360

	Docum ent ID	U	Title	Current OR
159	US 50253 61 A	<input checked="" type="checkbox"/>	Watering control system	700/14
160	US 49911 97 A	<input checked="" type="checkbox"/>	Method and apparatus for controlling transmission of voice and data signals	455/557
161	US 49473 57 A	<input checked="" type="checkbox"/>	Scan testing a digital system using scan chains in integrated circuits	714/726
162	US 49452 67 A	<input checked="" type="checkbox"/>	Integrated circuit bus switching circuit	327/434
163	US 49244 26 A	<input checked="" type="checkbox"/>	Apparatus with selection circuitry for distributing data blocks from external memory to processing units according to attribute data contained in each data block	711/100
164	US 49243 99 A	<input checked="" type="checkbox"/>	Vehicle control system with HSO-triggered output	701/101
165	US 49107 03 A	<input checked="" type="checkbox"/>	Data processing unit having multiple-purpose port used as a resonator connection port in first mode and as a data i/o port in second mode	713/500
166	US 49106 65 A	<input checked="" type="checkbox"/>	Distributed processing system including reconfigurable elements	712/15
167	US 49052 30 A	<input checked="" type="checkbox"/>	Token ring expander and/or hub	370/222
168	US 48624 52 A	<input checked="" type="checkbox"/>	Digital signal processing system	370/263
169	US 48499 31 A	<input checked="" type="checkbox"/>	Data processing system having interfacing circuits assigned to a common I/O port address by utilizing a specific bit line of a common bus	710/3
170	US 48477 51 A	<input checked="" type="checkbox"/>	Multi-task execution control system	718/107
171	US 48456 60 A	<input checked="" type="checkbox"/>	Processor for signal processing and hierarchical multiprocessing structure including at least one such processor	712/35
172	US 47790 79 A	<input checked="" type="checkbox"/>	Multi-purpose computer utility arrangement	345/168
173	US 47664 75 A	<input checked="" type="checkbox"/>	Semiconductor integrated circuit device having an improved buffer arrangement	257/203
174	US 47617 62 A	<input checked="" type="checkbox"/>	Interrupt control switch interface system	710/260
175	US 47108 68 A	<input checked="" type="checkbox"/>	Interconnect scheme for shared memory local networks	710/316
176	US 46960 59 A	<input checked="" type="checkbox"/>	Reflex optoelectronic switching matrix	398/55
177	US 46725 37 A	<input checked="" type="checkbox"/>	Data error detection and device controller failure detection in an input/output system	714/56
178	US 46725 35 A	<input checked="" type="checkbox"/>	Multiprocessor system	710/38
179	US 46239 96 A	<input checked="" type="checkbox"/>	Packet switched multiple queue NXM switch node and processing method	370/418
180	US 45545 30 A	<input checked="" type="checkbox"/>	Method and apparatus for scanning a matrix of switchable elements	341/26
181	US 45396 76 A	<input checked="" type="checkbox"/>	Bulk/interactive data switching system	370/354



	Docum ent ID	U	Title	Current OR
182	US 45034 97 A	<input checked="" type="checkbox"/>	System for independent cache-to-cache transfer	711/124
183	US 44918 38 A	<input checked="" type="checkbox"/>	Starloop communication network and control system therefor	370/407
184	US 44596 60 A	<input checked="" type="checkbox"/>	Microcomputer with automatic refresh of on-chip dynamic RAM transparent to CPU	711/1
185	US 44588 41 A	<input checked="" type="checkbox"/>	Function control module for air treating systems	236/49. 4
186	US 44505 21 A	<input checked="" type="checkbox"/>	Digital processor or microcomputer using peripheral control circuitry to provide multiple memory configurations and offset addressing capability	710/3
187	US 44357 63 A	<input checked="" type="checkbox"/>	Multiprogrammable input/output circuitry	703/27
188	US 44059 78 A	<input checked="" type="checkbox"/>	Microprocessor based computer terminal	710/67
189	US 43631 08 A	<input checked="" type="checkbox"/>	Low cost programmable video computer terminal	345/467
190	US 42764 51 A	<input checked="" type="checkbox"/>	Control system for telephone switching system	379/15. 05
191	US 41775 11 A	<input checked="" type="checkbox"/>	Port select unit for a programmable serial-bit microprocessor	710/37
192	US 41550 56 A	<input checked="" type="checkbox"/>	Cascaded grating resonator filters with external input-output couplers	333/195
193	US 41457 60 A	<input checked="" type="checkbox"/>	Memory device having a reduced number of pins	365/226
194	US 40178 40 A	<input checked="" type="checkbox"/>	Method and apparatus for protecting memory storage location accesses	711/164
195	US 39225 37 A	<input checked="" type="checkbox"/>	Multiplex device for automatic test equipment	714/32
196	US 39163 84 A	<input checked="" type="checkbox"/>	Communication switching system computer memory control arrangement	711/149
197	US 38454 25 A	<input checked="" type="checkbox"/>	METHOD AND APPARATUS FOR PROVIDING CONDITIONAL AND UNCONDITIONAL ACCESS TO PROTECTED MEMORY STORAGE LOCATIONS	711/152
198	US 37256 21 A	<input type="checkbox"/>	MULTI-CONTACT DATA MODULE HAVING A CONNECTION MATRIX AND A SWITCHING BODY AND ACTUATOR PLUG TEMPLATE	200/46

	Docum ent ID	U	Title	Current OR
1	US 20040 01713 2 A1	<input type="checkbox"/>	Multiplexer for a piezo ceramic identification device	310/317
2	US 20040 00867 4 A1	<input checked="" type="checkbox"/>	Digital cross connect switch matrix mapping method and system	370/388
3	US 20040 00067 6 A1	<input checked="" type="checkbox"/>	Semiconductor device	257/198
4	US 20030 23707 4 A1	<input checked="" type="checkbox"/>	Microprocessor with trace module	717/124
5	US 20030 23466 1 A1	<input checked="" type="checkbox"/>	Semiconductor device and test method for the same	324/765
6	US 20030 21003 4 A1	<input checked="" type="checkbox"/>	Apparatus and methods for testing circuit boards	324/158 .1
7	US 20030 20247 4 A1	<input checked="" type="checkbox"/>	Frame-pull flow control in a fibre channel network	370/235
8	US 20030 19780 8 A1	<input checked="" type="checkbox"/>	Power-on detection of DVI receiver IC	348/554
9	US 20030 19393 9 A1	<input checked="" type="checkbox"/>	SYSTEM AND METHOD FOR ASYNCHRONOUS SWITCHING OF COMPOSITE CELLS, AND CORRESPONDING INPUT PORT AND OUTPUT PORT MODULES	370/389
10	US 20030 19393 6 A1	<input checked="" type="checkbox"/>	Scalable switching fabric	370/360
11	US 20030 19392 7 A1	<input checked="" type="checkbox"/>	Random access memory architecture and serial interface with continuous packet handling capability	370/351
12	US 20030 18538 7 A1	<input checked="" type="checkbox"/>	Interworking interface module for telecommunication switching systems	379/413 .02
13	US 20030 18097 3 A1	<input checked="" type="checkbox"/>	Methods and systems for monitoring a parameter of a measurement device during polishing, damage to a specimen during polishing, or a characteristic of a polishing pad or tool	438/14
14	US 20030 17961 8 A1	<input checked="" type="checkbox"/>	Internal voltage generating apparatus for a semiconductor memory device	365/200
15	US 20030 17493 5 A1	<input checked="" type="checkbox"/>	Channel balancer for WDM optical units	385/24
16	US 20030 15398 8 A1	<input checked="" type="checkbox"/>	Highly versatile process control system controller	700/19
17	US 20030 14266 8 A1	<input checked="" type="checkbox"/>	Trunking in a matrix	370/389

	Docum ent ID	U	Title	Current OR
18	US 20030 13825 4 A1	<input checked="" type="checkbox"/>	Light branching/inserting apparatus and light branching apparatus using wavelength selection filter	398/85
19	US 20030 13570 6 A1	<input checked="" type="checkbox"/>	Microcontroller having embedded non-volatile memory with read protection	711/163
20	US 20030 12871 5 A1	<input checked="" type="checkbox"/>	MULTI-SERVICE ARCHITECTURE WITH ANY PORT ANY SERVICE (APAS) HARDWARE PLATFORM	370/442
21	US 20030 12344 0 A1	<input checked="" type="checkbox"/>	ATM cell switching system	370/391
22	US 20030 12097 0 A1	<input checked="" type="checkbox"/>	Method and apparatus for debugging an electronic product using an internal I/O port	714/25
23	US 20030 11827 5 A1	<input checked="" type="checkbox"/>	Multi-dimensional optical cross-connect switching system	385/17
24	US 20030 11801 3 A1	<input checked="" type="checkbox"/>	Technique for computing pathways in a multi-stage switch fabric through exploitation of symmetrical links	370/388
25	US 20030 11769 5 A1	<input checked="" type="checkbox"/>	Connection discovery for optical amplifier systems	359/337
26	US 20030 11552 0 A1	<input checked="" type="checkbox"/>	Method for outputting error signals via monitor connect port and the computer system thereof	714/724
27	US 20030 10351 1 A1	<input checked="" type="checkbox"/>	Autoconfiguration of control connections in an exchange	370/396
28	US 20030 09106 9 A1	<input checked="" type="checkbox"/>	Multiple frequency receiver/player	370/487
29	US 20030 08642 8 A1	<input checked="" type="checkbox"/>	Switching unit for a packet-transmitting network, to switch the packets of a connection at one input of said connections' ports to at least one of its outputs	370/395 .1
30	US 20030 07904 0 A1	<input checked="" type="checkbox"/>	Method and system for intelligently forwarding multicast packets	709/238
31	US 20030 07875 2 A1	<input checked="" type="checkbox"/>	SYSTEM AND METHOD FOR TESTING A CIRCUIT IMPLEMENTED ON A PROGRAMMABLE LOGIC DEVICE	702/120
32	US 20030 07451 0 A1	<input checked="" type="checkbox"/>	Method and apparatus for sharing signal pins on an interface between a system controller and peripheral integrated circuits	710/305
33	US 20030 06585 8 A1	<input checked="" type="checkbox"/>	Input apparatus of a hand-held information processing device	710/303
34	US 20030 05883 5 A1	<input checked="" type="checkbox"/>	Cross-connect control apparatus and method for broadband digital cross-connect system	370/351

	Docum ent ID	U	Title	Current OR
35	US 20030 03861 8 A1	<input checked="" type="checkbox"/>	Network analyzer using time sequenced measurements	324/76. 53
36	US 20030 03343 3 A1	<input checked="" type="checkbox"/>	Processing satellite web proxy cache	709/246
37	US 20030 03231 1 A1	<input checked="" type="checkbox"/>	Motherboard with multiple power supply selectivity	439/76. 1
38	US 20030 03117 1 A1	<input checked="" type="checkbox"/>	Parallel and iterative algorithm for switching data packets	370/360
39	US 20030 03045 9 A1	<input checked="" type="checkbox"/>	Apparatus and methods for testing circuit boards	324/761
40	US 20030 02152 2 A1	<input checked="" type="checkbox"/>	Wavelength cross-connect	385/17
41	US 20030 01457 2 A1	<input checked="" type="checkbox"/>	Apparatus for merging a plurality of data streams into a single data stream	710/52
42	US 20020 17665 7 A1	<input checked="" type="checkbox"/>	Beam convergence system for optical switching cores	385/18
43	US 20020 17641 4 A1	<input checked="" type="checkbox"/>	Packet switching apparatus	370/389
44	US 20020 17425 1 A1	<input checked="" type="checkbox"/>	Method and system for connecting virtual circuits across an ethernet switch	709/249
45	US 20020 17245 1 A1	<input checked="" type="checkbox"/>	Apparatus and method for fabricating scalable optical fiber cross-connect core	385/16
46	US 20020 16206 3 A1	<input checked="" type="checkbox"/>	Hierarchical access of test access ports in embedded core integrated circuits	714/724
47	US 20020 15436 1 A1	<input checked="" type="checkbox"/>	Wavelength division multiplexed (WDM) network element and a method for propagating data packets across the network element	398/101
48	US 20020 14785 1 A1	<input checked="" type="checkbox"/>	Multi-processor system apparatus	709/249
49	US 20020 14602 2 A1	<input checked="" type="checkbox"/>	Credit-based flow control technique in a modular multiprocessor system	370/412
50	US 20020 14544 0 A1	<input checked="" type="checkbox"/>	Semiconductor device	324/763
51	US 20020 14415 9 A1	<input checked="" type="checkbox"/>	HomePNA device with the function of transmitting power over a network wire	713/300

	Docum ent ID	U	Title	Current OR
52	US 20020 14391 0 A1	<input checked="" type="checkbox"/>	Network hub	709/223
53	US 20020 14141 2 A1	<input checked="" type="checkbox"/>	Load balancing in link aggregation and trunking	370/392
54	US 20020 13169 8 A1	<input checked="" type="checkbox"/>	Reconfigurable optical add and drop modules with servo control and dynamic spectral power management capabilities	385/31
55	US 20020 13169 1 A1	<input checked="" type="checkbox"/>	Reconfigurable optical add-drop multiplexers employing polarization diversity	385/24
56	US 20020 13169 0 A1	<input checked="" type="checkbox"/>	Reconfigurable all-optical multiplexers with simultaneous add-drop capability	385/24
57	US 20020 13168 8 A1	<input checked="" type="checkbox"/>	Reconfigurable optical add-drop multiplexers with servo control and dynamic spectral power management capabilities	385/24
58	US 20020 13168 7 A1	<input checked="" type="checkbox"/>	Reconfigurable optical add-drop multiplexers with servo control and dynamic spectral power management capabilities	385/24
59	US 20020 13144 2 A1	<input checked="" type="checkbox"/>	SPACE/TIME SWITCH ARCHITECTURE	370/442
60	US 20020 12918 8 A1	<input checked="" type="checkbox"/>	Data processing device with memory coupling unit	710/316
61	US 20020 12414 9 A1	<input checked="" type="checkbox"/>	Efficient optimization algorithm in memory utilization for network applications	711/170
62	US 20020 12238 7 A1	<input checked="" type="checkbox"/>	Algorithm for time based queuing in network traffic engineering	370/231
63	US 20020 12222 5 A1	<input checked="" type="checkbox"/>	Multiport wavelength division multiplex network element	398/34
64	US 20020 12083 6 A1	<input checked="" type="checkbox"/>	Method for switching between boot devices in information processing unit	713/2
65	US 20020 11433 6 A1	<input checked="" type="checkbox"/>	Gateway apparatus for performing communication between WAN and LAN	370/401
66	US 20020 09992 5 A1	<input checked="" type="checkbox"/>	Apparatus and method for supporting multi-processors and motherboard of the same	712/203
67	US 20020 09553 4 A1	<input checked="" type="checkbox"/>	Method of matching cables and monitor for performing the method	710/16
68	US 20020 09189 1 A1	<input checked="" type="checkbox"/>	Passive release avoidance technique	710/311

	Docum ent ID	U	Title	Current OR
69	US 20020 07153 3 A1	<input checked="" type="checkbox"/>	User programmable telephone wiring access terminal	379/93. 05
70	US 20020 06426 6 A1	<input checked="" type="checkbox"/>	Multi-line arrangement	379/156
71	US 20020 04828 0 A1	<input checked="" type="checkbox"/>	Method and apparatus for load balancing in network processing device	370/468
72	US 20020 02935 8 A1	<input checked="" type="checkbox"/>	Method and apparatus for delivering error interrupts to a processor of a modular, multiprocessor system	714/39
73	US 20020 01182 3 A1	<input checked="" type="checkbox"/>	Smart battery, secondary smart battery connection apparatus of portable computer system, AC adapter implementing same, and connection method thereof	320/137
74	US 20020 01087 2 A1	<input checked="" type="checkbox"/>	Multi-agent synchronized initialization of a clock forwarded interconnect based computer system	713/400
75	US 20020 00909 5 A1	<input checked="" type="checkbox"/>	Multicast decomposition mechanism in a hierarchically order distributed shared memory multiprocessor computer system	370/432
76	US 20020 00130 5 A1	<input checked="" type="checkbox"/>	Flexible, self-aligning time and space switch fabrics	370/369
77	US 20010 05527 7 A1	<input checked="" type="checkbox"/>	Initiate flow control mechanism of a modular multiprocessor system	370/236
78	US 20010 05091 6 A1	<input checked="" type="checkbox"/>	METHOD AND APPARATUS FOR PROVIDING WORK-CONSERVING PROPERTIES IN A NON-BLOCKING SWITCH WITH LIMITED SPEEDUP INDEPENDENT OF SWITCH SIZE	370/419
79	US 20010 04980 1 A1	<input checked="" type="checkbox"/>	Dual-ported operator control panel with automatic failover	714/10
80	US 20010 04359 7 A1	<input checked="" type="checkbox"/>	ATM CELL SWITCHING SYSTEM	370/368
81	US 20010 04048 5 A1	<input checked="" type="checkbox"/>	Switch assembly with a multi-pole switch for combining amplified RF signals to a single RF signal	333/101
82	US 20010 03875 9 A1	<input checked="" type="checkbox"/>	Method and system for information control capable of effectively performing an automatic payment for maintenance expenses	399/79
83	US 20010 03414 2 A1	<input checked="" type="checkbox"/>	Signal transmission connector and cable employing same	439/55
84	US 20010 02865 2 A1	<input checked="" type="checkbox"/>	ATM cell switching system	370/395 .1
85	US 20010 02165 9 A1	<input checked="" type="checkbox"/>	Method and system for connecting a mobile communication unit to a personal computer	455/557

	Docum ent ID	U	Title	Current OR
86	US 20010 00569 1 A1	<input checked="" type="checkbox"/>	Multiplayer interactive video gaming device	463/42
87	US 20010 00538 6 A1	<input checked="" type="checkbox"/>	ATM cell switching system	370/538
88	US 66874 31 B2	<input checked="" type="checkbox"/>	Reconfigurable optical add-drop multiplexers with servo control and dynamic spectral power management capabilities	385/24
89	US 66872 46 B1	<input checked="" type="checkbox"/>	Scalable switching fabric	370/388
90	US 66870 44 B2	<input checked="" type="checkbox"/>	Connection discovery for optical amplifier systems	359/337
91	US 66842 35 B1	<input checked="" type="checkbox"/>	One-dimensional wavelet system and method	708/400
92	US 66782 87 B1	<input checked="" type="checkbox"/>	Method for multiplexing signals through I/O pins	370/546
93	US 66691 00 B1	<input checked="" type="checkbox"/>	Serviceable tamper resistant PIN entry apparatus	235/492
94	US 66619 48 B2	<input checked="" type="checkbox"/>	Reconfigurable optical add and drop modules with servo control and dynamic spectral power management capabilities	385/24
95	US 66612 73 B1	<input checked="" type="checkbox"/>	Substrate pump circuit and method for I/O ESD protection	327/310
96	US 66549 13 B1	<input checked="" type="checkbox"/>	Alternate port apparatus for manufacturing test of integrated serial bus and method therefor	714/43
97	US 66508 03 B1	<input checked="" type="checkbox"/>	Method and apparatus for optical to electrical to optical conversion in an optical cross-connect switch	385/17
98	US 66486 52 B2	<input checked="" type="checkbox"/>	Signal transmission connector and cable employing same	439/55
99	US 66469 83 B1	<input checked="" type="checkbox"/>	Network switch which supports TDM, ATM, and variable length packet traffic and includes automatic fault/congestion correction	370/218
100	US 66393 93 B2	<input checked="" type="checkbox"/>	Methods and apparatus for time-domain measurement with a high frequency circuit analyzer	324/76. 19
101	US 66365 15 B1	<input checked="" type="checkbox"/>	Method for switching ATM, TDM, and packet data through a single communications switch	370/395 .1
102	US 66365 11 B1	<input checked="" type="checkbox"/>	Method of multicasting data through a communications switch	370/390
103	US 66311 30 B1	<input checked="" type="checkbox"/>	Method and apparatus for switching ATM, TDM, and packet data through a single communications switch while maintaining TDM timing	370/352
104	US 66253 46 B2	<input checked="" type="checkbox"/>	Reconfigurable optical add-drop multiplexers with servo control and dynamic spectral power management capabilities	385/24
105	US 66186 86 B2	<input checked="" type="checkbox"/>	System and method for testing a circuit implemented on a programmable logic device	702/120
106	US 66183 72 B1	<input checked="" type="checkbox"/>	Packet switching system having self-routing switches	370/389
107	US 66147 58 B2	<input checked="" type="checkbox"/>	Load balancing in link aggregation and trunking	370/232

	Docum ent ID	U	Title	Current OR
108	US 66115 18 B1	<input checked="" type="checkbox"/>	Methods and apparatus for flexible device interface port assignment in a data communications switching system	370/386
109	US 66084 75 B2	<input checked="" type="checkbox"/>	Network analyzer using time sequenced measurements	324/76. 53
110	US 66063 26 B1	<input checked="" type="checkbox"/>	Packet switch employing dynamic transfer of data packet from central shared queue path to cross-point switching matrix path	370/412
111	US 65978 26 B1	<input checked="" type="checkbox"/>	Optical cross-connect switching system with bridging, test access and redundancy	385/17
112	US 65976 56 B1	<input checked="" type="checkbox"/>	Switch system comprising two switch fabrics	370/219
113	US 65902 25 B2	<input checked="" type="checkbox"/>	Die testing using top surface test pads	257/48
114	US 65870 14 B2	<input checked="" type="checkbox"/>	Switch assembly with a multi-pole switch for combining amplified RF signals to a single RF signal	333/101
115	US 65841 21 B1	<input checked="" type="checkbox"/>	Switch architecture for digital multiplexed signals	370/474
116	US 65818 41 B1	<input checked="" type="checkbox"/>	Apparatus and method for secure information processing	235/492
117	US 65781 85 B1	<input checked="" type="checkbox"/>	Power-supply-configurable outputs	716/16
118	US 65710 30 B1	<input checked="" type="checkbox"/>	Optical cross-connect switching system	385/17
119	US 65708 45 B1	<input checked="" type="checkbox"/>	Switching system including a mask mechanism for altering the internal routing process	370/218
120	US 65643 31 B1	<input checked="" type="checkbox"/>	Low power register file	713/324
121	US 65638 37 B2	<input checked="" type="checkbox"/>	Method and apparatus for providing work-conserving properties in a non-blocking switch with limited speedup independent of switch size	370/413
122	US 65602 27 B1	<input checked="" type="checkbox"/>	LAN frame copy decision for LAN switches	370/390
123	US 65602 05 B1	<input checked="" type="checkbox"/>	Method and apparatus for control of soft handoff usage in radiocommunication	370/258
124	US 65496 99 B2	<input checked="" type="checkbox"/>	Reconfigurable all-optical multiplexers with simultaneous add-drop capability	385/24
125	US 65495 43 B1	<input checked="" type="checkbox"/>	Data communication system and data communication operating method	370/474
126	US 65460 11 B1	<input checked="" type="checkbox"/>	ATM cell switching system	370/391
127	US 65387 82 B1	<input checked="" type="checkbox"/>	Light branching/inserting apparatus and light branching apparatus using wavelength selection filter	398/82
128	US 65294 78 B1	<input checked="" type="checkbox"/>	Pass/drop apparatus and method for network switching node	370/236
129	US 65226 69 B1	<input checked="" type="checkbox"/>	Devices and methods relating to telecommunications equipment	370/498
130	US 65071 17 B1	<input checked="" type="checkbox"/>	Semiconductor chip and multichip-type semiconductor device	257/778



	Docum ent ID	U	Title	Current OR
131	US 65017 57 B1	<input checked="" type="checkbox"/>	ATM switch	370/395 .41
132	US 64968 80 B1	<input checked="" type="checkbox"/>	Shared I/O ports for multi-core designs	710/38
133	US 64842 09 B1	<input checked="" type="checkbox"/>	Efficient path based forwarding and multicast forwarding	709/238
134	US 64809 24 B1	<input checked="" type="checkbox"/>	Application specific integrated circuit and transceiver with multi-mode connection	710/306
135	US 64809 21 B1	<input checked="" type="checkbox"/>	Reducing internal bus speed in a bus system without reducing readout rate	710/305
136	US 64696 51 B1	<input checked="" type="checkbox"/>	Multi-function type absolute converter	341/160
137	US 64630 57 B1	<input checked="" type="checkbox"/>	ATM cell switching system	370/358
138	US 64598 63 B2	<input checked="" type="checkbox"/>	Method and system for information control capable of effectively performing an automatic payment for maintenance expenses	399/79
139	US 64497 40 B1	<input checked="" type="checkbox"/>	Conductive paths controllably coupling pad groups arranged along one edge to CPU and to EEPROM in test mode	714/718
140	US 64495 76 B1	<input checked="" type="checkbox"/>	Network processor probing and port mirroring	702/117
141	US 64457 03 B2	<input checked="" type="checkbox"/>	ATM cell switching system	370/391
142	US 64341 15 B1	<input checked="" type="checkbox"/>	System and method for switching packets in a network	370/235
143	US 64306 30 B1	<input checked="" type="checkbox"/>	Direct data access between input and output ports	710/22
144	US 64279 14 B1	<input checked="" type="checkbox"/>	Apparatus and method for operating a checkout system having a number of port expander devices associated therewith	235/383
145	US 64242 26 B1	<input checked="" type="checkbox"/>	Two-port with a frequency-dependent network	330/302
146	US 64179 44 B1	<input checked="" type="checkbox"/>	Asynchronous transfer mode switch utilizing optical wave division multiplexing	398/79
147	US 64150 22 B1	<input checked="" type="checkbox"/>	User programmable telephone wiring access terminal	379/93. 05
148	US 64084 13 B1	<input checked="" type="checkbox"/>	Hierarchical access of test access ports in embedded core integrated circuits	714/727
149	US 64052 73 B1	<input checked="" type="checkbox"/>	Data processing device with memory coupling unit	710/305
150	US 64042 25 B1	<input checked="" type="checkbox"/>	Integrated circuit incorporating a programmable cross-bar switch	326/39
151	US 63968 44 B1	<input checked="" type="checkbox"/>	Backplane architecture for providing both loop repeater and multiplexed mode connectivity in the same equipment shelf	370/420
152	US 63968 31 B1	<input checked="" type="checkbox"/>	ATM cell switching system	370/358
153	US 63780 65 B1	<input checked="" type="checkbox"/>	Apparatus with context switching capability	712/228

	Docum ent ID	U	Title	Current OR
154	US 63694 27 B1	<input checked="" type="checkbox"/>	Integrated circuitry, interface circuit of an integrated circuit device, and cascode circuitry	257/355
155	US 63630 77 B1	<input checked="" type="checkbox"/>	Load balancing in link aggregation and trunking	370/422
156	US 63569 58 B1	<input checked="" type="checkbox"/>	Integrated circuit module has common function known good integrated circuit die with multiple selectable functions	710/1
157	US 63453 10 B1	<input checked="" type="checkbox"/>	Architecture for a multiple port adapter having a single media access control (MAC) with a single I/O port	709/250
158	US 63395 96 B1	<input checked="" type="checkbox"/>	ATM cell switching system	370/395 .7
159	US 63379 06 B1	<input checked="" type="checkbox"/>	Apparatus and method for coupling an automated attendant to a telecommunications system	379/308
160	US 63302 40 B1	<input checked="" type="checkbox"/>	ATM cell switching system	370/395 .7
161	US 63140 96 B1	<input checked="" type="checkbox"/>	Packet switching system having self-routing switches	370/389
162	US 63113 03 B1	<input checked="" type="checkbox"/>	Monitor port with selectable trace support	714/734
163	US 63057 66 B1	<input checked="" type="checkbox"/>	Workstation with opening and support for personal computer	312/223 .3
164	US 63045 54 B1	<input checked="" type="checkbox"/>	ATM system for conducting rate control of ATM traffic	370/236
165	US 63016 20 B1	<input checked="" type="checkbox"/>	Method of sending data from server computer, storage medium, and server computer	709/235
166	US 62856 75 B1	<input checked="" type="checkbox"/>	ATM cell switching system	370/391
167	US 62782 54 B1	<input checked="" type="checkbox"/>	Programmable and interactive motor starter	318/778
168	US 62725 67 B1	<input checked="" type="checkbox"/>	System for interposing a multi-port internally cached DRAM in a control path for temporarily storing multicast start of packet data until such can be passed	710/56
169	US 62634 60 B1	<input checked="" type="checkbox"/>	Microcontroller architecture and associated method providing for testing of an on-chip memory device	714/718
170	US 62630 33 B1	<input checked="" type="checkbox"/>	Baud rate granularity in single clock microcontrollers for serial port transmissions	375/370
171	US 62625 94 B1	<input checked="" type="checkbox"/>	Apparatus and method for configurable use of groups of pads of a system on chip	326/38
172	US 62466 92 B1	<input checked="" type="checkbox"/>	Packet switching fabric using the segmented ring with resource reservation control	370/438
173	US 62433 82 B1	<input checked="" type="checkbox"/>	Interfacing to SAR devices in ATM switching apparatus	370/395 .52
174	US 62430 20 B1	<input checked="" type="checkbox"/>	Method and apparatus for programmably driving an LED display	340/815 .4
175	US 62400 75 B1	<input checked="" type="checkbox"/>	Satellite communication routing arbitration techniques	370/325
176	US 62368 39 B1	<input checked="" type="checkbox"/>	Method and apparatus for calibrating a smart antenna array	455/67. 14

	Docum ent ID	U	Title	Current OR
177	US 62301 09 B1	<input checked="" type="checkbox"/>	Multiconductor continuity and intermittent fault analyzer with distributed processing and dynamic stimulation	702/109
178	US 62161 67 B1	<input checked="" type="checkbox"/>	Efficient path based forwarding and multicast forwarding	709/238
179	US 62157 88 B1	<input checked="" type="checkbox"/>	ATM cell switching system	370/391
180	US 62125 97 B1	<input checked="" type="checkbox"/>	Apparatus for and method of architecturally enhancing the performance of a multi-port internally cached (AMPIC) DRAM array and like	711/105
181	US 62116 95 B1	<input checked="" type="checkbox"/>	FPGA integrated circuit having embedded SRAM memory blocks with registered address and data input sections	326/40
182	US 61890 52 B1	<input checked="" type="checkbox"/>	On-chip i/o processor supporting different protocols having on-chip controller for reading and setting pins, starting timers, and generating interrupts at well defined points of time	710/48
183	US 61886 86 B1	<input checked="" type="checkbox"/>	Switching apparatus	370/388
184	US 61811 63 B1	<input checked="" type="checkbox"/>	FPGA integrated circuit having embedded SRAM memory blocks and interconnect channel for broadcasting address and control signals	326/41
185	US 61811 59 B1	<input checked="" type="checkbox"/>	Integrated circuit incorporating a programmable cross-bar switch	326/39
186	US 61752 30 B1	<input checked="" type="checkbox"/>	Circuit-board tester with backdrive-based burst timing	324/158 .1
187	US 61729 63 B1	<input checked="" type="checkbox"/>	Flow control for switching	370/229
188	US 61728 61 B1	<input checked="" type="checkbox"/>	Protection circuit for semiconductor device	361/56
189	US 61670 26 A	<input checked="" type="checkbox"/>	Programmable error control circuit	370/222
190	US 61638 67 A	<input checked="" type="checkbox"/>	Input-output pad testing using bi-directional pads	714/736
191	US 61608 11 A	<input checked="" type="checkbox"/>	Data packet router	370/401
192	US 61576 52 A	<input checked="" type="checkbox"/>	Hub port with constant phase	370/407
193	US 61576 43 A	<input checked="" type="checkbox"/>	Switching fabric	370/389
194	US 61450 24 A	<input checked="" type="checkbox"/>	Input/output optical fiber serial interface link that selectively transfers data in multiplex channel path mode or high speed single channel path mode	710/14
195	US 61382 19 A	<input checked="" type="checkbox"/>	Method of and operating architectural enhancement for multi-port internally cached dynamic random access memory (AMPIC DRAM) systems, eliminating external control paths and random memory addressing, while providing zero bus contention for DRAM access	711/149
196	US 61311 69 A	<input checked="" type="checkbox"/>	Reliability of crossbar switches in an information processing system	714/7
197	US 61286 66 A	<input checked="" type="checkbox"/>	Distributed VLAN mechanism for packet field replacement in a multi-layered switched network element using a control field/signal for indicating modification of a packet with a database search engine	709/238

	Docum ent ID	U	Title	Current OR
198	US 61282 92 A	<input checked="" type="checkbox"/>	Packet switching apparatus with multi-channel and multi-cast switching functions and packet switching system using the same	370/356
199	US 61183 50 A	<input checked="" type="checkbox"/>	Bus through termination circuit	333/22R
200	US 61148 48 A	<input type="checkbox"/>	Direct-measurement provision of safe backdrive levels	324/158 .1